

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTANXR1625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 AUG 15 CAOLD to be discontinued on December 31, 2008  
NEWS 3 OCT 07 EPFULL enhanced with full implementation of EPC2000  
NEWS 4 OCT 07 Multiple databases enhanced for more flexible patent number searching  
NEWS 5 OCT 22 Current-awareness alert (SDI) setup and editing enhanced  
NEWS 6 OCT 22 WPIDS, WPIDEX, and WPIX enhanced with Canadian PCT Applications  
NEWS 7 OCT 24 CHEMLIST enhanced with intermediate list of pre-registered REACH substances  
NEWS 8 NOV 21 CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present  
NEWS 9 NOV 26 MARPAT enhanced with FSORT command  
NEWS 10 NOV 26 MEDLINE year-end processing temporarily halts availability of new fully-indexed citations  
NEWS 11 NOV 26 CHEMSAFE now available on STN Easy  
NEWS 12 NOV 26 Two new SET commands increase convenience of STN searching  
NEWS 13 DEC 01 ChemPort single article sales feature unavailable  
NEWS 14 DEC 12 GBFULL now offers single source for full-text coverage of complete UK patent families  
NEWS 15 DEC 17 Fifty-one pharmaceutical ingredients added to PS

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* \* \* \* \* \* \* \* STN Columbus \* \* \* \* \* \* \* \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:32:46 ON 30 DEC 2008

=> file reg

COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE  
ENTRY  
0.21

TOTAL  
SESSION  
0.21

FILE 'REGISTRY' ENTERED AT 12:32:59 ON 30 DEC 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 DEC 2008 HIGHEST RN 1091682-77-7  
DICTIONARY FILE UPDATES: 29 DEC 2008 HIGHEST RN 1091682-77-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

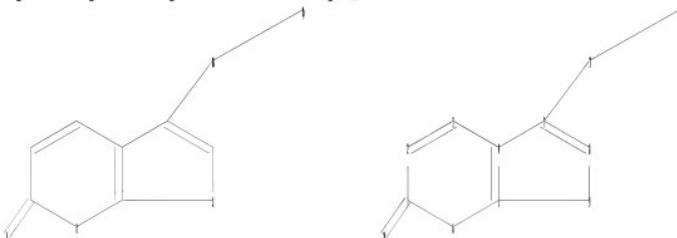
TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10561052.str

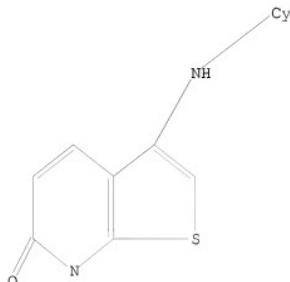


chain nodes :  
10 11 12  
ring nodes :  
1 2 3 4 5 6 7 8 9  
chain bonds :  
1-10 7-11 11-12  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9  
exact/norm bonds :  
1-2 1-6 1-10 2-3 3-4 4-5 5-6 7-11 11-12  
exact bonds :  
4-7 5-9 7-8 8-9  
isolated ring systems :  
containing 1 :

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 12:Atom

L1 STRUCTURE UPLOADED

=> d 11  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 full  
FULL SEARCH INITIATED 12:33:17 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 3745 TO ITERATE

100.0% PROCESSED 3745 ITERATIONS 390 ANSWERS  
SEARCH TIME: 00.00.01

L2 390 SEA SSS FUL L1

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
178.36 178.57

FILE 'CAPLUS' ENTERED AT 12:33:22 ON 30 DEC 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is

strictly prohibited.

FILE COVERS 1907 - 30 Dec 2008 VOL 150 ISS 1  
FILE LAST UPDATED: 29 Dec 2008 (20081229/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 12 full  
L3 7 L2

=> d ibib abs hitstr tot

L3 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:673573 CAPLUS

DOCUMENT NUMBER: 149:32285

TITLE: Aminothienopyridinone derivatives as p38 MAP kinase inhibitors and their preparation, pharmaceutical compositions and use in the treatment of diseases

INVENTOR(S): Davis, Jeremy Martin; Brookings, Daniel Christopher; Langham, Barry John; Hutchings, Martin Clive

PATENT ASSIGNEE(S): UCB Pharma, S.A., Belg.  
SOURCE: PCT Int. Appl., 37pp.

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008064829	A2	20080605	WO 2007-EP10189	20071123
WO 2008064829	A3	20081023		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, LZ, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA,UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
PRIORITY APPLN. INFO.:			GB 2006-23955 EP 2007-1807	A 20061130 A 20070127
OTHER SOURCE(S): GI		MARPAT 149:32285		

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

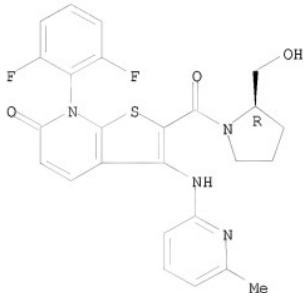
AB The invention relates to 3-aminothienopyridinone derivs. of formula I, to processes for preparing them, to pharmaceutical compns. containing them and to their use as pharmaceuticals. Compds. of formula I wherein R1 and R2 are independently C1-3 alkyl, halo and OH; m and n are independently 1-3; R3R4 taken together to form (un)substituted 4- to 6-membered non-aromatic heterocycle; and their pharmaceutically acceptable salts, stereoisomers, geometrical isomers, enantiomers and diastereoisomers thereof, are claimed. Example compound II was prepared by N-arylation of 3-bromo-7-(2,6-difluorophenyl)-2-((2R)-2-((tetrahydro-2H-pyran-2-yl oxy)methyl)pyrrolidin-1-yl)carbonyl)thieno[2,3-b]pyridin-6(7H)-one with 2-amino-6-picoline. All the invention compds. were evaluated for their p38 MAP kinase inhibitory activity. From the assay, it was determined that II exhibited the IC50 values of 15 - 30 nm against p38 $\alpha$  MAP kinase inhibitor.

IT 1030833-61-4P 1030833-63-6P 1030833-64-7P  
1030833-66-9P 1030833-68-1P 1030833-70-5P  
1030833-72-7P 1030833-74-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

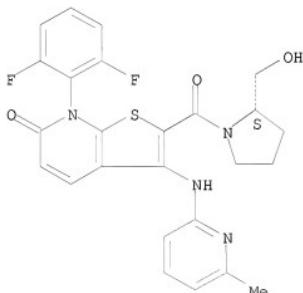
(drug candidate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)  
RN 1030833-61-4 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[(*(2R)*-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]-(CA INDEX NAME)

Absolute stereochemistry.



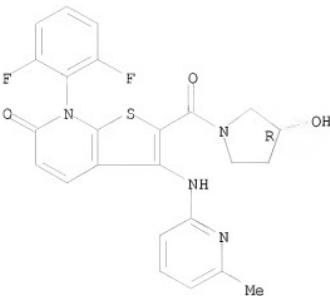
RN 1030833-63-6 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[(*(2S)*-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]-(CA INDEX NAME)

Absolute stereochemistry.



RN 1030833-64-7 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[(*(3R)*-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]-(CA INDEX NAME)

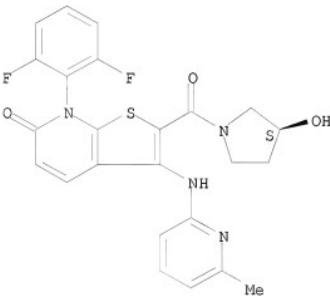
Absolute stereochemistry.



RN 1030833-66-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

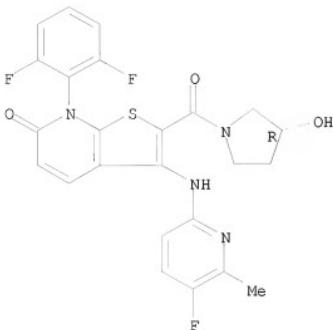
Absolute stereochemistry.



RN 1030833-68-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

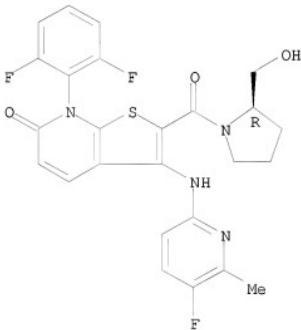
Absolute stereochemistry.



RN 1030833-70-5 CAPLUS

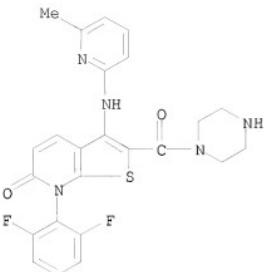
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 1030833-72-7 CAPLUS

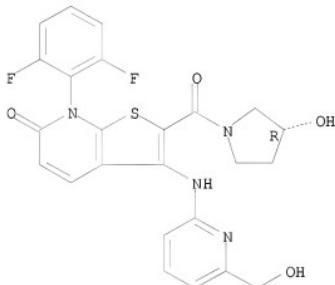
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(6-methyl-2-pyridinyl)amino]-2-(1-piperazinylcarbonyl)- (CA INDEX NAME)



RN 1030833-74-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(6-hydroxymethyl)-2-pyridinyl]amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

Absolute stereochemistry.



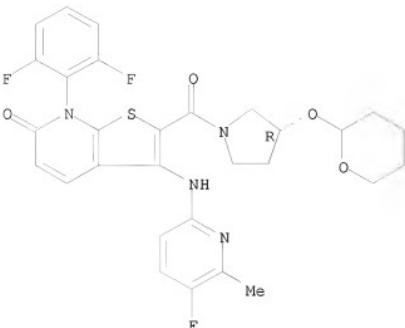
IT 1030833-96-5P 1030834-00-4P 1030834-01-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(intermediate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)

RN 1030833-96-5 CAPLUS

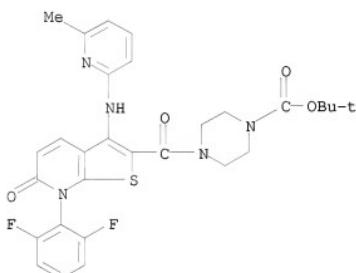
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 1030834-00-4 CAPLUS

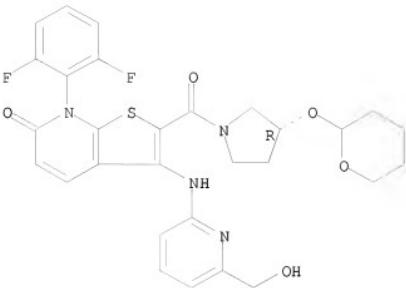
CN 1-Piperazinecarboxylic acid, 4-[(7-(2,6-difluorophenyl)-6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxothieno[2,3-b]pyridin-2-yl]carbonyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1030834-01-5 CAPLUS

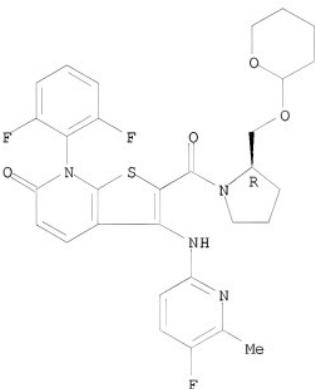
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(6-hydroxymethyl)-2-pyridinyl]amino]-2-[[3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



- IT 1030833-99-8  
 RL: PRPH (Prophetic); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prophetic intermediate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)  
 RN 1030833-99-8 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinylcarbonyl] - (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:516759 CAPLUS

DOCUMENT NUMBER: 145:27872

TITLE: A process for the formation of C-N bonds via the Buchwald-Hartwig amination

INVENTOR(S): Schlummer, Bjoern; Scholz, Ulrich  
PATENT ASSIGNEE(S): Lanxess Deutschland G.m.b.H., Germany

SOURCE: Ger. Offen., 8 pp.  
CODEN: GWXXBX

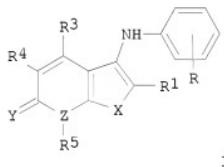
DOCUMENT TYPE: Patent  
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

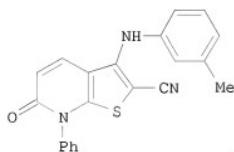
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10200404056820	A1	20060601	DE 2004-10200404056820	20041124
AU 2005308941	A1	20060601	AU 2005-308941	20051123
CA 2586440	A1	20060601	CA 2005-2586440	20051123
EP 1817313	A1	20070815	EP 2005-808296	20051123
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
KR 2007086565	A	20070827	KR 2007-714254	20070622
US 20080207907	A1	20080828	US 2007-718898	20071203
PRIORITY APPLN. INFO.:			DE 2004-10200404056820A	20041124
			DE 2004-10200404056821A	20041124
			WO 2005-EP12509	W 20051123

OTHER SOURCE(S): MARPAT 145:27872  
GI



I



II

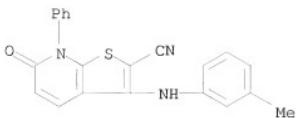
AB A process for the preparation of title compds. I [R = (R')n; X = O, S, NH, etc.; Y = O, S; Z = N, CH; R1, R3, R4 = H, alkyl, alkoxy, etc.; R5 = H, alkyl, aryl, etc.; R' = H, alkyl, alkoxy, etc.; n = 0-5] via pd-catalyzed coupling was disclosed. The synthesis of compound II was claimed (no exptl. provided). Of note is the use of a mixed solvent system for the coupling.

IT 639480-55-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(formation of C-N bonds via the Buchwald-Hartwig amination)

RN 639480-55-0 CAPLUS

CN Thieno[2,3-bl]pyridine-2-carbonitrile,  
6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:516682 CAPLUS

DOCUMENT NUMBER: 145:27972

TITLE: Process for palladium catalyzed C-N coupling

INVENTOR(S): Schlummer, Bjoern; Scholz, Ulrich; Smith, Ian

PATENT ASSIGNEE(S): Ucb, S.A., Belg.

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

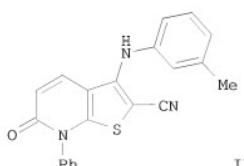
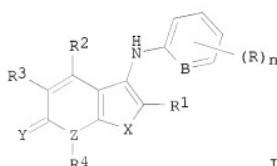
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006056412	A1	20060601	WO 2005-EP12509	20051123
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BE, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 102004056821	A1	20060601	DE 2004-102004056821	20041124
AU 2005308941	A1	20060601	AU 2005-308941	20051123
CA 2586440	A1	20060601	CA 2005-2586440	20051123
EP 1817313	A1	20070815	EP 2005-808296	20051123
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
JP 2008520613	T	20080619	JP 2007-541828	20051123
IN 2007DN03451	A	20070831	IN 2007-DN3451	20070509
KR 2007086565	A	20070827	KR 2007-714254	20070622
US 20080207907	A1	20080828	US 2007-718898	20071203
PRIORITY APPLN. INFO.:			DE 2004-102004056821A	20041124
			DE 2004-102004056820A	20041124
			WO 2005-EP12509	W 20051123

OTHER SOURCE(S): CASREACT 145:27972; MARPAT 145:27972

GI



AB The invention relates to a process for the preparation of thieno[2,3-b]pyridine derivs. I [wherein X = O, S, NH, or CH2; Y = O or S; Z and B =

independently N or CH; R1-R3 = independently H, (pseudo)halo, OH, NO<sub>2</sub>, (un)substituted alkyl, alkoxy, aryl, etc.; R4 = H, (un)substituted alkyl, aryl, or arylalkyl; R = independently H, (pseudo)halo, OH, NO<sub>2</sub>, (un)substituted alkyl, alkoxy, aryl, etc.; n = 0-5] comprising coupling of an aryl halide or an aryloxysulfonyl compound with an amine in the presence of palladium catalyst. For example, 3-amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-nitrile was reacted with 3-bromotoluene in the presence of tris(dibenzylideneacetone)palladium, a phosphorus ligand, and potassium phosphate to give II (87%). The process is useful for the formation of C-N bonds.

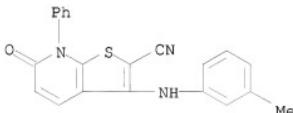
IT 639480-55-0P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(palladium catalyzed C-N coupling)

RN 639480-55-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



REFERENCE COUNT:

11

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1154722 CAPLUS

DOCUMENT NUMBER: 142:93797

TITLE: Process for preparing 3-aminothienopyridone derivatives and their applications to the synthesis of p38 MAP kinase inhibitors

INVENTOR(S): Evans, Graham Robert; Smith, Ian Harold; Tremayne, Neil; Jones, Leighton; Langston, Marianne

PATENT ASSIGNEE(S): Celitech R & D Limited, UK

SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2

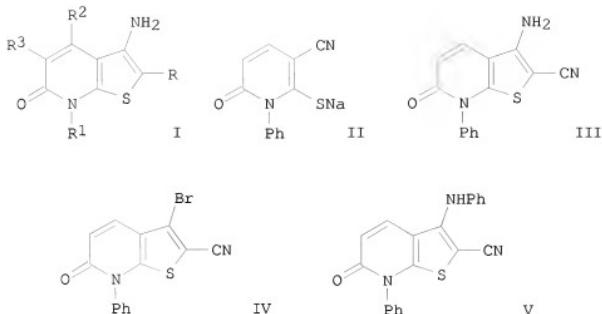
DOCUMENT TYPE: Patent  
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113349	A1	20041229	WO 2004-GB2680	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249507	A1	20041229	AU 2004-249507	20040618
CA 2528927	A1	20041229	CA 2004-2528927	20040618
EP 1638980	A1	20060329	EP 2004-743031	20040618
EP 1638980	B1	20081105		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007516163	T	20070621	JP 2006-516465	20040618
AT 413405	T	20081115	AT 2004-743031	20040618
US 20070191608	A1	20070816	US 2006-561051	20060608
PRIORITY APPLN. INFO.:			GB 2003-14493 GB 2003-29471 WO 2004-GB2680	A 20030620 A 20031219 W 20040618

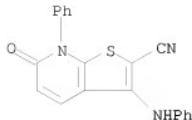
OTHER SOURCE(S): MARPAT 142:93797  
GI



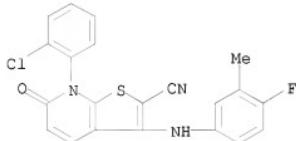
**AB** This invention provides a class of 3-amino-7H-thieno[2,3-b]pyridin-6-one derivs. I [wherein R = cyano, NO<sub>2</sub>, CO<sub>2</sub>Alk<sub>2</sub>, C(O)alkyl, CONHHet<sub>2</sub>; Alk<sub>2</sub> = (un)substituted alkyl or aryl; Het<sub>2</sub> = (un)substituted 4/5/6-membered heterocycloalkyl; R<sub>1</sub> = (un)substituted (hetero)aryl or (hetero)cycloalkyl; R<sub>2</sub>, R<sub>3</sub> = H or a hydrogen atom precursor, or salts, solvates, hydrates, protected derivs. and N-oxides thereof], a process for their preps., and the use thereof as intermediates in the manufacture of certain p38 MAP kinase inhibitors. For example, 2-cyano-N-phenylthioacetamide was treated with N,N-dimethyluracil to give crude thiolate II containing about 20% ethanol, which was directly refluxed with chloroacetonitrile in acetonitrile for 2 h to afford amine III. This compound underwent diazotization and subsequent halide displacement with tert-butylnitrite and CuBr<sub>2</sub>, leading to bromide IV. Pd-catalyzed N-alkylation of III with bromobenzene or amination of IV with aniline yielded V. Conversion of this product to the corresponding carboxamide was realized by the hydrolysis of the cyano group in the presence of NaOH-H<sub>2</sub>O-Ethanol system.

**IT** 639479-32-6P, 6-Oxo-7-phenyl-3-phenylamino-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639479-36-0P,  
7-(2-Chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639479-45-1P,  
7-Cyclopropyl-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639480-55-0P,  
6-Oxo-7-phenyl-3-(m-tolylamino)-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 817177-54-1P  
**RL:** IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(process for preparing 3-aminothienopyridone derivs. and their applications to the synthesis of p38 MAP kinase inhibitors)

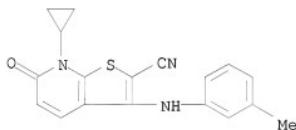
**RN** 639479-32-6 CAPLUS  
**CN** Thieno[2,3-b]pyridine-2-carbonitrile,  
6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



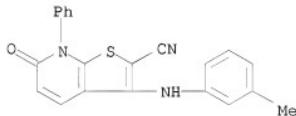
RN 639479-36-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-  
 (CA INDEX NAME)



RN 639479-45-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX  
 NAME)

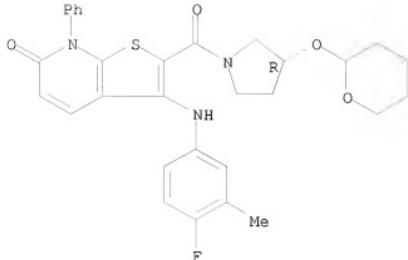


RN 639480-55-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



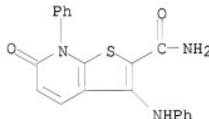
RN 817177-54-1 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-  
 phenyl-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]-  
 (CA INDEX NAME)

Absolute stereochemistry.

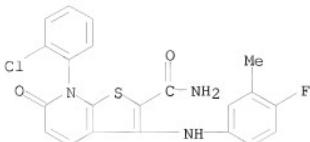


IT 639479-29-1P, 6-Oxo-7-phenyl-3-phenylamino-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639479-37-1P,  
 7-(2-Chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639479-46-2P,  
 7-Cyclopropyl-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639480-85-6P,  
 6-Oxo-7-phenyl-3-(m-tolylamino)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639481-18-8P,  
 7-Phenyl-3-phenylamino-2-[(pyrrolidin-1-yl)carbonyl]-7H-thieno[2,3-b]pyridin-6-one 639481-20-2P,  
 2-[(4-Ethylpiperazin-1-yl)carbonyl]-7-phenyl-3-phenylamino-7H-thieno[2,3-b]pyridin-6-one 816424-17-6P,  
 (S)-3-(4-Fluoro-3-methylphenylamino)-2-[(2-hydroxymethylpyrrolidin-1-yl)carbonyl]-7-phenyl-7H-thieno[2,3-b]pyridin-6-one 816424-21-2P  
 , (R)-3-(4-Fluoro-3-methylphenylamino)-2-[(3-hydroxypyrrrolidin-1-yl)carbonyl]-7-phenyl-7H-thieno[2,3-b]pyridin-6-one  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (process for preparing 3-aminothienopyridone derivs. and their applications to the synthesis of p38 MAP kinase inhibitors)

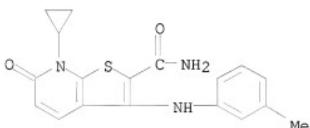
RN 639479-29-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



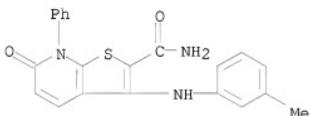
RN 639479-37-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



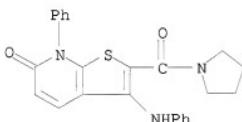
RN 639479-46-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX  
 NAME)



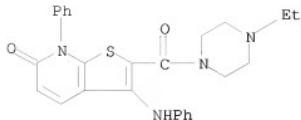
RN 639480-85-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639481-18-8 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



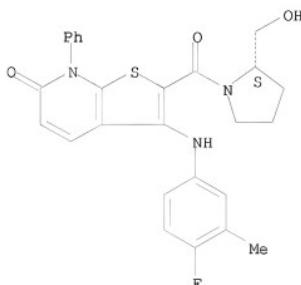
RN 639481-20-2 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 816424-17-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

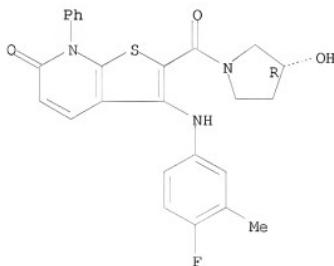
Absolute stereochemistry.



RN 816424-21-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:1154721 CAPLUS  
 DOCUMENT NUMBER: 142:93796  
 TITLE: Preparation of thienopyridone derivatives as p38 MAPK inhibitors  
 INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin;  
 Langham, Barry John  
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK  
 SOURCE: PCT Int. Appl., 90 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113348	A1	20041229	WO 2004-GB2644	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, RU, ID, IL, IN, IS, JP, KE, KG, KE, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249498	A1	20041229	AU 2004-249498	20040618
CA 2528603	A1	20041229	CA 2004-2528603	20040618
EP 1638979	A1	20060329	EP 2004-742997	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
JP 2007516162	T	20070621	JP 2006-516453	20040618
US 20060247269	A1	20061102	US 2006-561050	20060629
PRIORITY APPLN. INFO.:			GB 2003-14490 A 20030620	
			GB 2003-29495 A 20031219	
			WO 2004-GB2644 W 20040618	

OTHER SOURCE(S): MARPAT 142:93796  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

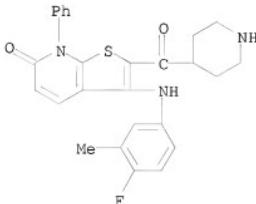
AB Title compds. I [ wherein X = covalent bond, NH or N(alkyl); Y = C(O) or S(O)2; A = (CH2)<sub>q</sub>; B = (CH2)<sub>m</sub>; n = 0 or 1; m = 1-3; p = 0-4; q = 0-2; R = (un)substituted OH, alkoxy or amino; L = O, S, S(O), S(O)2 or CH2, CHR or CR2, NH or N(alkyl); ALK1 = alkylene; Cyl = (un)substituted (hetero)cycle or (hetero)aryl; Ar = (un)substituted (hetero)aryl; or salts, solvates, hydrates and N-oxides thereof] were prepared as p38 MAPK inhibitors. For example, II was synthesized in several steps from Et 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate (preparation given), via amination with 2,4-difluoroaniline, ester hydrolysis, carboxy group activation with pentafluorophenol and coupling with cis-2-amino cyclopentanol hydrochloride. Example compds. had IC50 values of around 1  $\mu$ M and below for human p38 $\alpha$  kinase. Therefore, I and pharmaceutical compns. thereof are useful for the treatment and/or prevention of immune or inflammatory disorders.

IT 816464-58-1P, 3-[(4-Fluoro-3-methylphenyl)amino]-7-phenyl-2-

[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one  
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(inhibitor; preparation of thienopyridone derivs. as p38 MAPK inhibitors)

RN 816464-58-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)

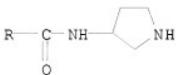
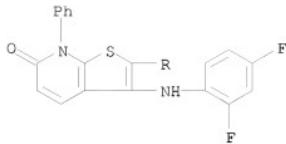


IT 639481-27-9P 816464-52-5P 816464-53-6P  
816464-54-7P, 3-[(2,4-Difluorophenyl)amino]-N-((1S,2S)-2-hydroxycyclopentyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-55-8P,  
3-[(2,4-Difluorophenyl)amino]-N-((1R,2R)-2-hydroxycyclopentyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-56-9P  
816464-57-0P, 3-Anilino-7-phenyl-2-(piperidin-4-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one 816464-59-2P,  
N-(Azetidin-3-yl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-60-5P  
816464-61-6P 816464-62-7P 816464-63-8P,  
3-[(2,4-Difluorophenyl)amino]-6-oxo-7-phenyl-N-(piperidin-4-yl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-64-9P,  
3-[(2,4-Difluorophenyl)amino]-N-(1-methylpiperidin-4-yl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-65-0P,  
3-[(2,4-Difluorophenyl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one 816464-66-1P,  
3-[(6-Methylpyridin-2-yl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one 816464-67-2P,  
3-[(4-Fluoro-3-methylphenyl)amino]-2-[(1-methylpiperidin-4-yl)carbonyl]-7-phenylthieno[2,3-b]pyridin-6(7H)-one  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(inhibitor; preparation of thienopyridone derivs. as p38 MAPK inhibitors)

RN 639481-27-9 CAPLUS

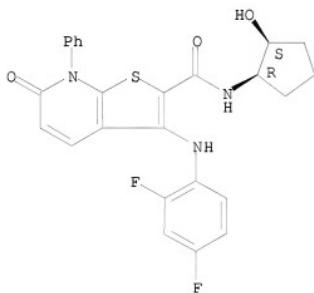
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-3-pyrrolidinyl- (CA INDEX NAME)



RN 816464-52-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1*R*,2*S*)-2-hydroxycyclopentyl]-  
6-oxo-7-phenyl-, rel- (CA INDEX NAME)

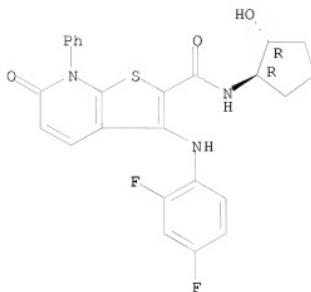
Relative stereochemistry.



RN 816464-53-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1*R*,2*R*)-2-hydroxycyclopentyl]-  
6-oxo-7-phenyl-, rel- (CA INDEX NAME)

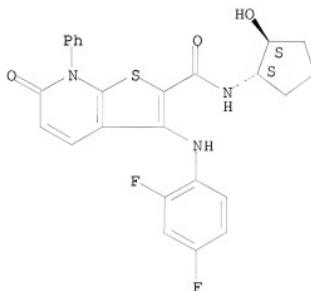
Relative stereochemistry.



RN 816464-54-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1S,2S)-2-hydroxycyclopentyl]-  
6-oxo-7-phenyl- (CA INDEX NAME)

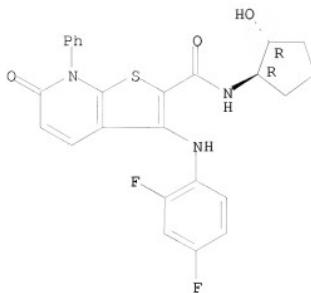
Absolute stereochemistry.



RN 816464-55-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2R)-2-hydroxycyclopentyl]-  
6-oxo-7-phenyl- (CA INDEX NAME)

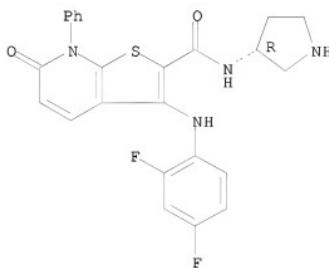
Absolute stereochemistry.



RN 816464-56-9 CAPLUS

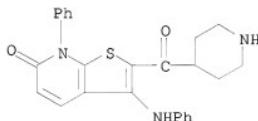
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-(3R)-3-pyrrolidinyl- (CA INDEX NAME)

Absolute stereochemistry.



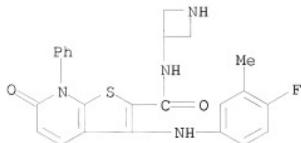
RN 816464-57-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



RN 816464-59-2 CAPLUS

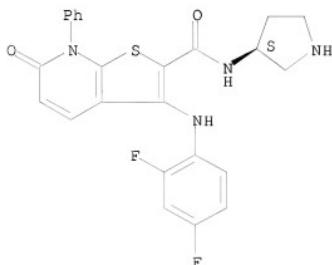
CN Thieno[2,3-b]pyridine-2-carboxamide,  
N-3-azetidinyl-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 816464-60-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-(3S)-3-  
pyrrolidinyl- (CA INDEX NAME)

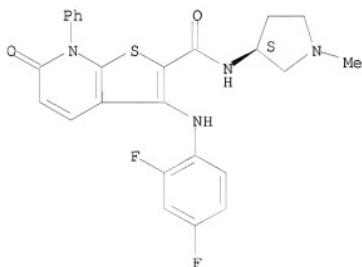
Absolute stereochemistry.



RN 816464-61-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(3S)-1-methyl-3-pyrrolidinyl]-  
6-oxo-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.

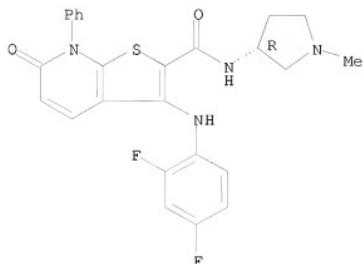


RN 816464-62-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(3R)-1-methyl-3-pyrrolidinyl]-

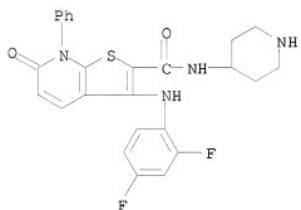
6-oxo-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



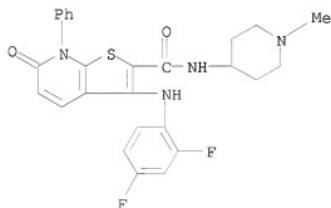
RN 816464-63-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[ (2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-4-piperidinyl-  
(CA INDEX NAME)



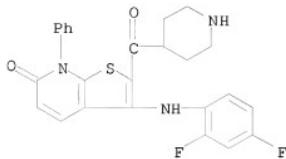
RN 816464-64-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[ (2,4-difluorophenyl)amino]-6,7-dihydro-N-(1-methyl-4-piperidinyl)-6-oxo-  
7-phenyl- (CA INDEX NAME)



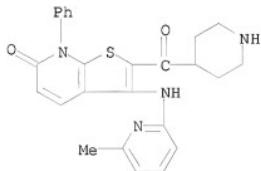
RN 816464-65-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



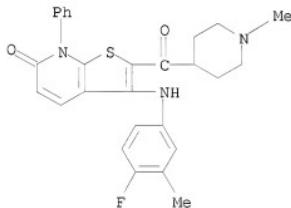
RN 816464-66-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(6-methyl-2-pyridinyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



RN 816464-67-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(1-methyl-4-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



IT 639479-24-6P, Ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-02-3P,

Pentafluorophenyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-11-4P,

Pentafluorophenyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-17-0P, Benzyl

3-[(3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]amino]pyrrolidine-1-carboxylate

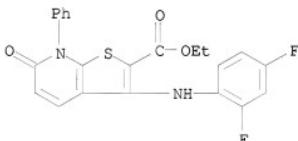
639504-79-3P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-65-4P

, Lithium 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-

dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-66-5P, Lithium  
 3-(2,(4-difluorophenyl)amino)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816464-41-2P, Tert-Butyl  
 (3R)-3-[(3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate  
 816464-45-6P, Tert-Butyl (3S)-3-[(3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl)amino]pyrrolidine-1-carboxylate 816464-46-7P,  
 Tert-Butyl 4-[(3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl)amino]pyrrolidine-1-carboxylate 816464-50-3P, Benzyl 4-[(3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl)piperidine-1-carboxylate 816464-51-4P, Benzyl  
 4-[(3-[(6-methylpyridin-2-yl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl)piperidine-1-carboxylate  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 • therapeutic agent for the treatment of hypertension, as p2X<sub>7</sub> AMPK inhibitors

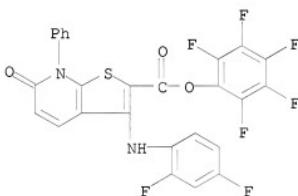
BN 639479-24-6 CAPIUS

CN 655-23-0 Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester  
(CA INDEX NAME)



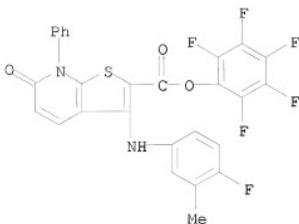
BN 639482-02-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,  
2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



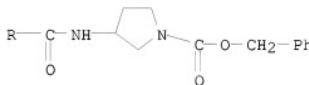
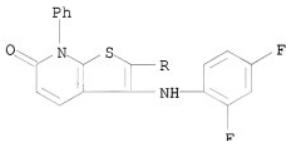
RN 639482-11-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[4-fluoro-3-methylphenyl]amino]-6,7-dihydro-6-oxo-7-phenyl-,  
2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



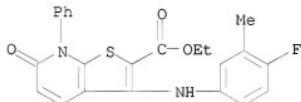
RN 639482-17-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)



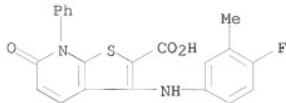
RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 816424-65-4 CAPLUS

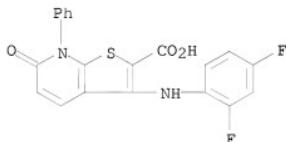
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)



● Li

RN 816424-66-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt  
(1:1) (CA INDEX NAME)

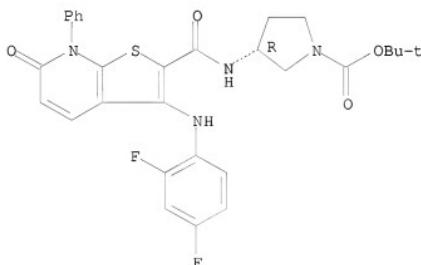


● Li

RN 816464-41-2 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

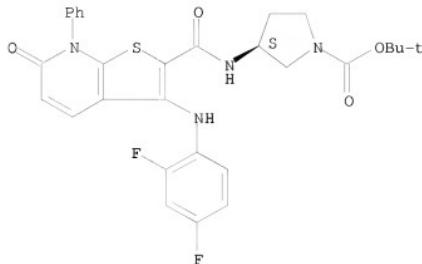
Absolute stereochemistry.



RN 816464-45-6 CAPLUS

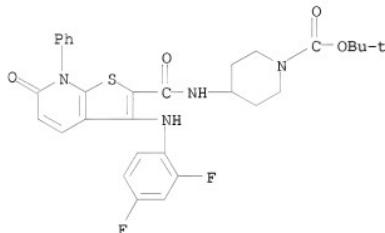
CN 1-Pyrrolidinecarboxylic acid, 3-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

Absolute stereochemistry.



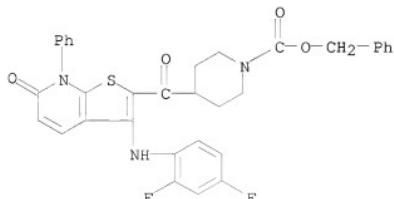
RN 816464-46-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 816464-50-3 CAPLUS

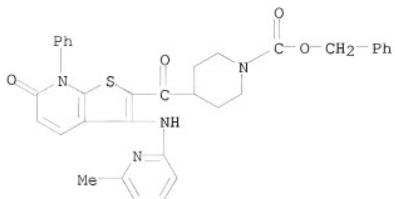
CN 1-Piperidinecarboxylic acid, 4-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-, phenylmethyl ester (CA INDEX NAME)



RN 816464-51-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-,

phenylmethyl ester (CA INDEX NAME)



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1154720 CAPLUS

DOCUMENT NUMBER: 142:93795

TITLE: Preparation of thienopyridone derivatives as p38 $\alpha$  kinase inhibitors

INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John

PATENT ASSIGNEE(S): Celltech R & D Limited, UK

SOURCE: PCT Int. Appl., 129 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

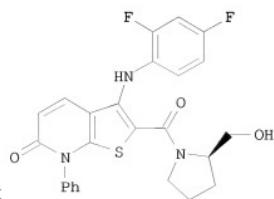
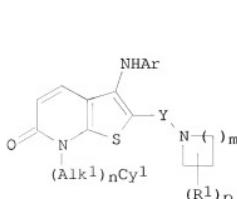
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113347	A1	20041229	WO 2004-GB2621	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KE, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249495	A1	20041229	AU 2004-249495	20040618
CA 2528602	A1	20041229	CA 2004-2528602	20040618
EP 1641804	A1	20060405	EP 2004-742976	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004010653	A	20060704	BR 2004-10653	20040618
CN 1809575	A	20060726	CN 2004-80017320	20040618
JP 2007516161	T	20070621	JP 2006-516443	20040618
MX 2005PA13227	A	20060309	MX 2005-PA13227	20051206
IN 2005DN05823	A	20080201	IN 2005-DN5823	20051214
KR 2006021905	A	20060308	KR 2005-724352	20051219
NO 2006000279	A	20060320	NO 2006-279	20060119
US 20070099894	A1	20070503	US 2006-561052	20061010
PRIORITY APPLN. INFO.:			GB 2003-14492 A	20030620
			GB 2003-29485 A	20031219
			WO 2004-GB2621 W	20040618

OTHER SOURCE(S): CASREACT 142:93795; MARPAT 142:93795  
GI



AB Title compds. I [Y = linking group CO, SO<sub>2</sub>; n = 0-1; m, p = 1-4; R1 = OH, alkylene-OH, alkoxy, etc.; Alk1 = alkylene; Cyl = cycloaliph., aromatic, heteroarom., etc.; Ar = (un)substituted (hetero)aromatic, etc.] are prepared. For instance, 3-Bromo-7-phenyl-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yloxy)methyl]pyrrolidin-1-yl]carbonylthieno[2,3-b]pyridin-6(7H)-one (preparation given) is coupled to 2,4-difluoroaniline (PhMe, Cs<sub>2</sub>CO<sub>3</sub>, BINAP, Pd<sub>2</sub>(dba)<sub>3</sub>, reflux, 48 h) and the resulting product deprotected with HCl to give II. All compds. inhibit p38 kinase with IC<sub>50</sub> of 1 μM or less. I are useful for the treatment and/or prevention of immune or inflammatory disorders.

IT 816423-93-5P 816423-94-6P 816423-95-7P  
 816423-96-8P 816423-97-9P 816423-98-0P  
 816423-99-1P 816424-00-7P 816424-01-8P  
 816424-02-9P 816424-03-0P 816424-04-1P  
 816424-05-2P 816424-06-3P 816424-07-4P  
 816424-08-5P 816424-09-6P 816424-10-9P  
 816424-11-0P 816424-12-1P 816424-13-2P  
 816424-14-3P 816424-15-4P 816424-16-5P  
 816424-17-6P 816424-18-7P 816424-19-8P  
 816424-20-1P 816424-21-2P 816424-22-3P  
 816424-23-4P 816424-24-5P 816424-25-6P  
 816424-26-7P 816424-27-8P 816424-28-9P  
 816424-29-0P 816424-30-3P 816424-31-4P  
 816424-32-5P 816424-33-6P 816424-34-7P  
 816424-35-8P 816424-36-9P 816424-37-0P  
 816424-38-1P 816424-39-2P 816424-40-5P  
 816424-41-6P 816424-42-7P 816424-43-8P  
 816424-44-9P 816424-45-0P 816424-46-1P  
 816424-47-2P 816424-48-3P 816424-49-4P  
 816424-50-7P 816424-51-8P 816424-52-9P  
 816424-53-0P 816424-54-1P 816424-55-2P  
 816424-56-3P 816424-57-4P 816424-58-5P  
 816424-59-6P 816424-60-9P 816424-61-0P  
 816424-62-1P 816424-63-2P 816426-21-8P

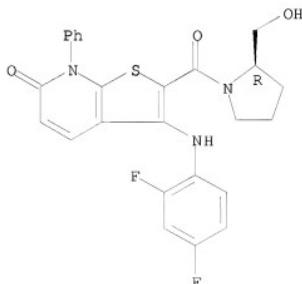
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of thienopyridone derivs. as p38α kinase inhibitors)

RN 816423-93-5 CAPLOS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

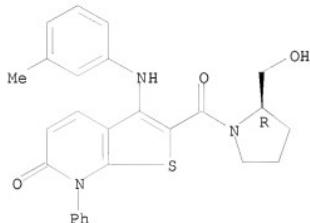
Absolute stereochemistry.



RN 816423-94-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

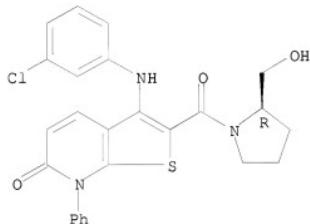
Absolute stereochemistry.



RN 816423-95-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

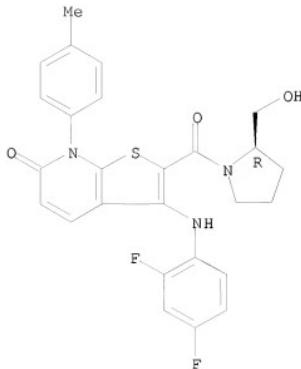
Absolute stereochemistry.



RN 816423-96-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

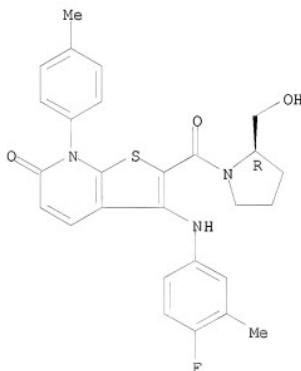
Absolute stereochemistry.



RN 816423-97-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[{(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

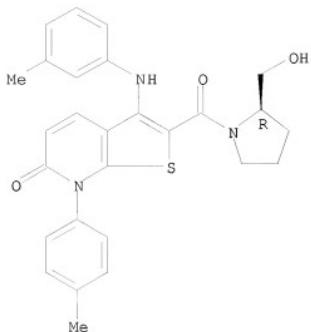
Absolute stereochemistry.



RN 816423-98-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]- (CA INDEX NAME)

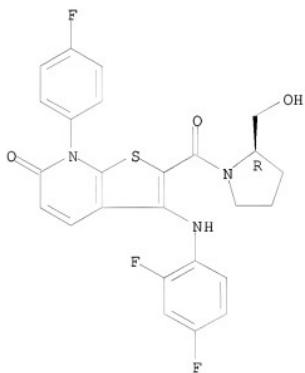
Absolute stereochemistry.



RN 816423-99-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

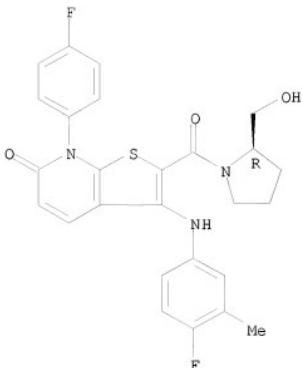
Absolute stereochemistry.



RN 816424-00-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

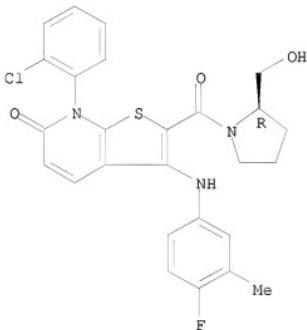
Absolute stereochemistry.



RN 816424-01-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

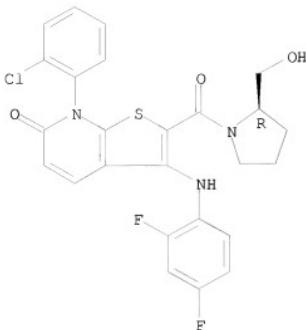
Absolute stereochemistry.



RN 816424-02-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

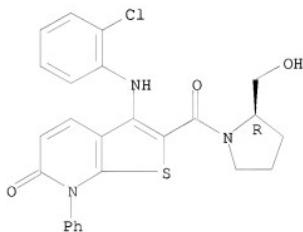
Absolute stereochemistry.



RN 816424-03-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2-chlorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

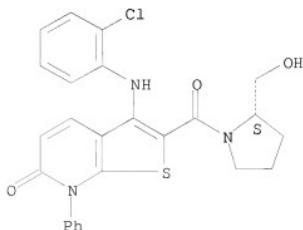
Absolute stereochemistry.



RN 816424-04-1 CAPLUS

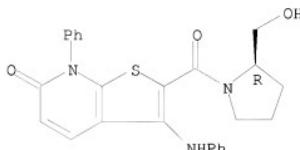
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2-chlorophenyl)amino]-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



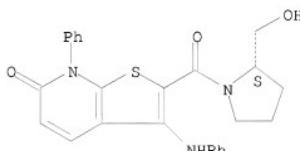
RN 816424-05-2 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

Absolute stereochemistry.



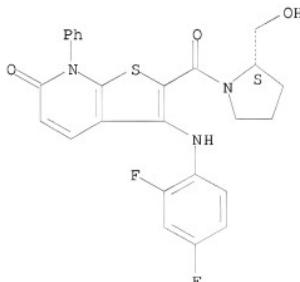
RN 816424-06-3 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

Absolute stereochemistry.



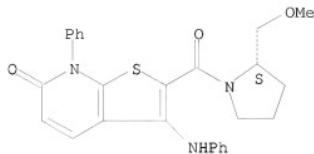
RN 816424-07-4 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-08-5 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2S)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

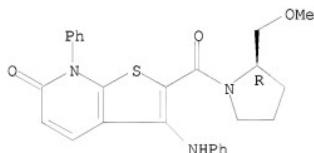
Absolute stereochemistry.



RN 816424-09-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

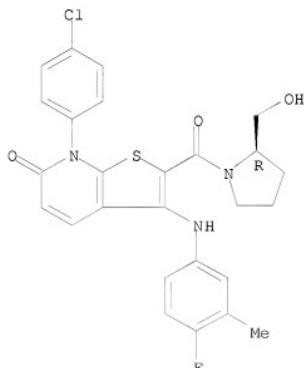
Absolute stereochemistry.



RN 816424-10-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

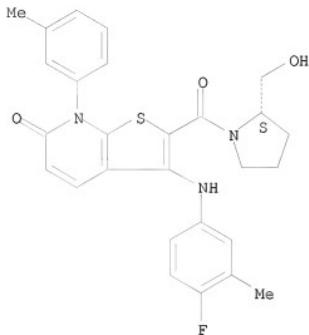
Absolute stereochemistry.



RN 816424-11-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(3-methylphenyl)- (CA  
INDEX NAME)

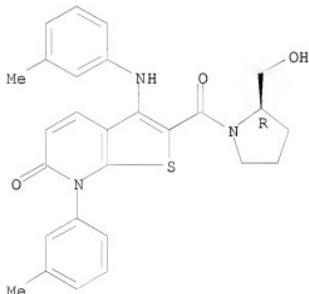
Absolute stereochemistry.



RN 816424-12-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(hydroxymethyl)-1-  
pyrrolidinyl]carbonyl]-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]- (CA  
INDEX NAME)

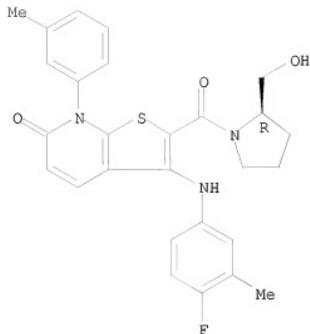
Absolute stereochemistry.



RN 816424-13-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(3-methylphenyl)- (CA  
INDEX NAME)

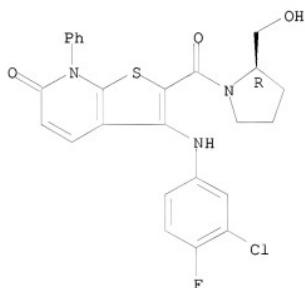
Absolute stereochemistry.



RN 816424-14-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chloro-4-fluorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl-7-phenyl- (CA INDEX NAME)

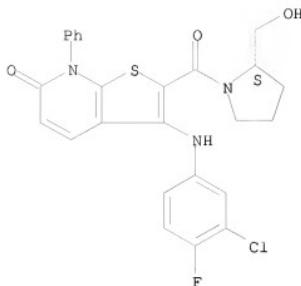
Absolute stereochemistry.



RN 816424-15-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chloro-4-fluorophenyl)amino]-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl-7-phenyl- (CA INDEX NAME)

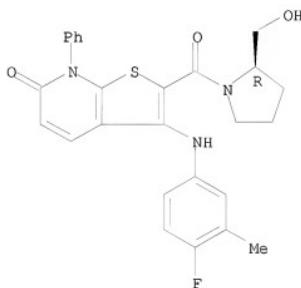
Absolute stereochemistry.



RN 816424-16-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

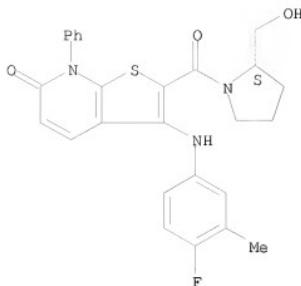
Absolute stereochemistry.



RN 816424-17-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

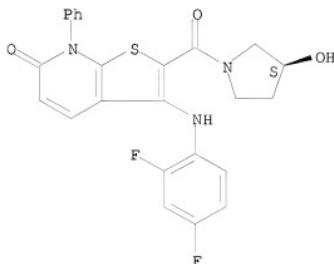
Absolute stereochemistry.



RN 816424-18-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

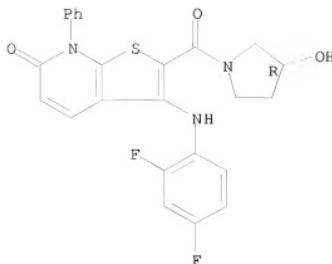
Absolute stereochemistry.



RN 816424-19-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

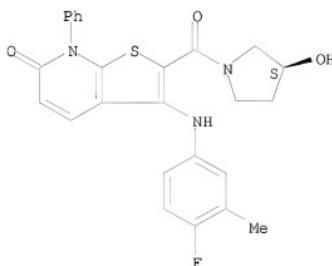
Absolute stereochemistry.



RN 816424-20-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
[[3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

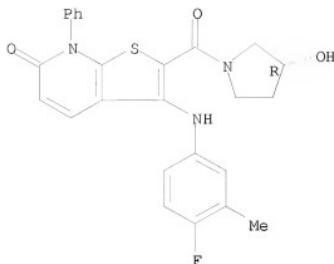
Absolute stereochemistry.



RN 816424-21-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
[[3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

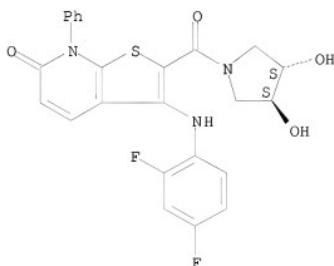
Absolute stereochemistry.



RN 816424-22-3 CAPLUS

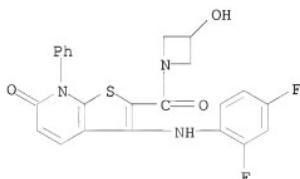
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3S,4S)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-23-4 CAPLUS

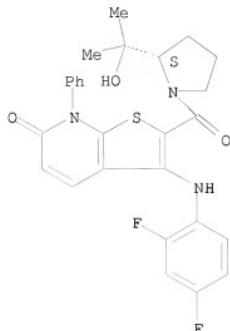
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3S)-hydroxy-1-azetidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-24-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2S)-2-(1-hydroxy-1-methylethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

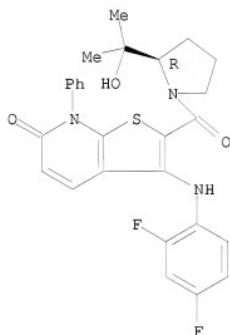
Absolute stereochemistry.



RN 816424-25-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-(1-hydroxy-1-methylethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

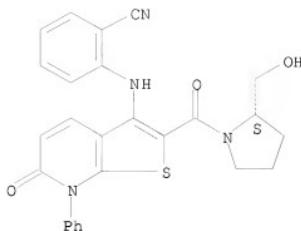
Absolute stereochemistry.



RN 816424-26-7 CAPLUS

CN Benzonitrile, 2-[(6,7-dihydro-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino- (CA INDEX NAME)

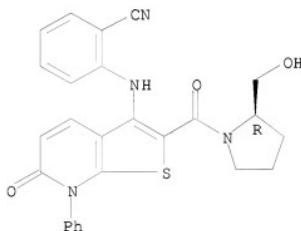
Absolute stereochemistry.



RN 816424-27-8 CAPLUS

CN Benzonitrile, 2-[(6,7-dihydro-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl)-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

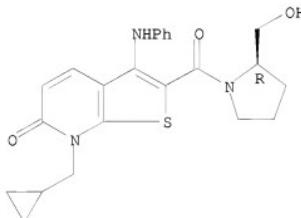
Absolute stereochemistry.



RN 816424-28-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(cyclopropylmethyl)-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl-3-(phenylamino)- (CA INDEX NAME)

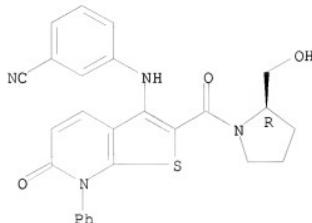
Absolute stereochemistry.



RN 816424-29-0 CAPLUS

CN Benzonitrile, 3-[(6,7-dihydro-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl)-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

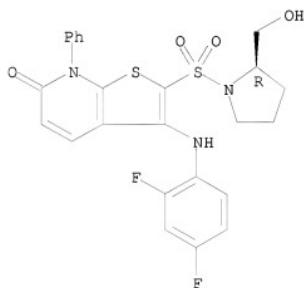
Absolute stereochemistry.



RN 816424-30-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinylsulfonyl]-7-phenyl- (CA INDEX NAME)

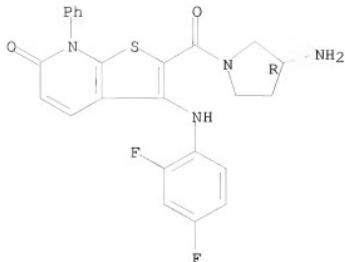
Absolute stereochemistry.



RN 816424-31-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3R)-3-amino-1-pyrrolidinyl]carbonyl-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

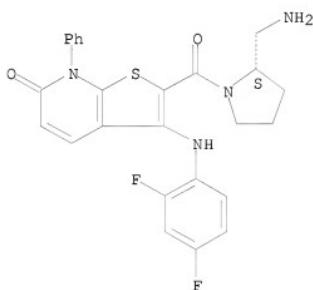
Absolute stereochemistry.



RN 816424-32-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2S)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

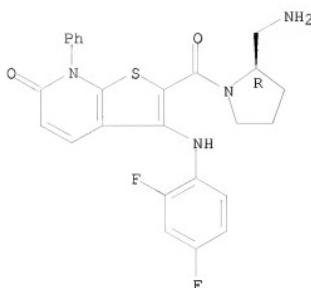
Absolute stereochemistry.



RN 816424-33-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

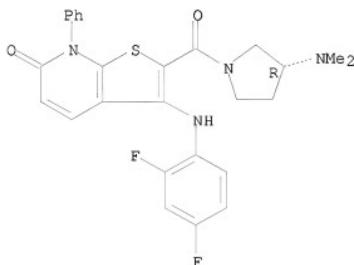
Absolute stereochemistry.



RN 816424-34-7 CAPLUS

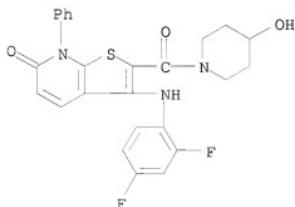
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



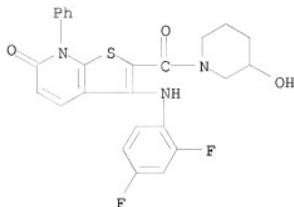
RN 816424-35-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(4-hydroxy-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-36-9 CAPLUS

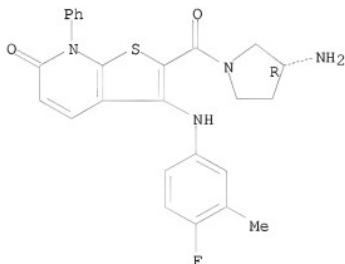
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3-hydroxy-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-37-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3R)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

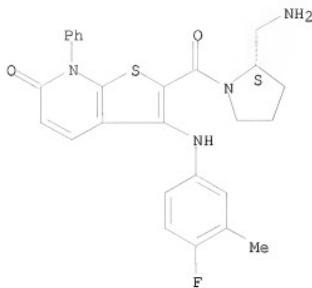
Absolute stereochemistry.



RN 816424-38-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2S)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

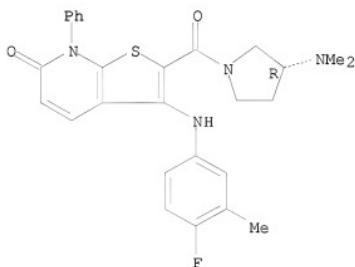
Absolute stereochemistry.



RN 816424-39-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3R)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

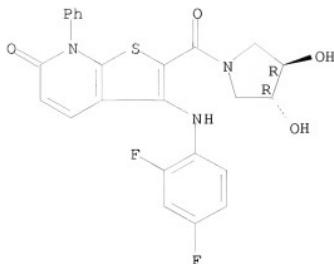
Absolute stereochemistry.



RN 816424-40-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R,4R)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl-7-phenyl- (CA INDEX NAME)

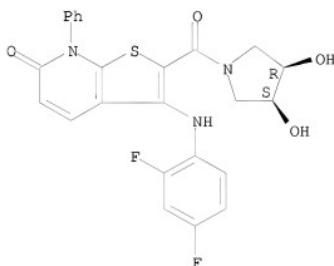
Absolute stereochemistry.



RN 816424-41-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R,4S)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl-, rel- (CA INDEX NAME)

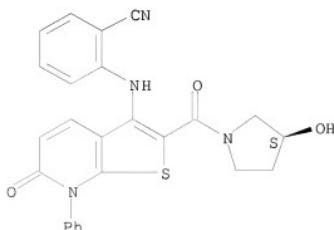
Relative stereochemistry.



RN 816424-42-7 CAPLUS

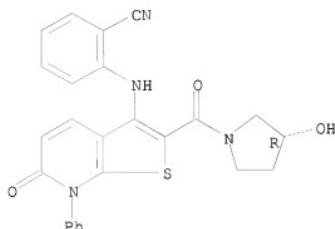
CN Benzonitrile, 2-[(6,7-dihydro-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino- (CA INDEX NAME)

Absolute stereochemistry.

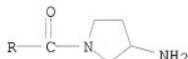
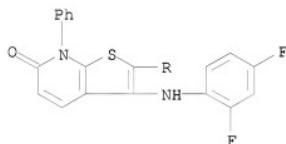


RN 816424-43-8 CAPLUS  
CN Benzonitrile, 2-[(6,7-dihydro-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

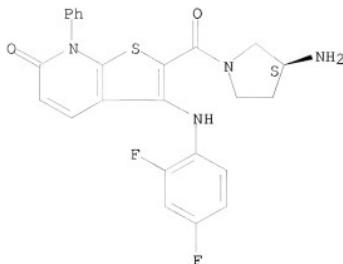


RN 816424-44-9 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3-amino-1-pyrrolidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



RN 816424-45-0 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3S)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

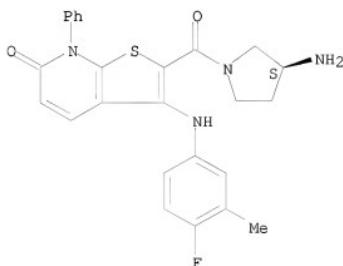
Absolute stereochemistry.



RN 816424-46-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3S)-3-amino-1-pyrrolidinylcarbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

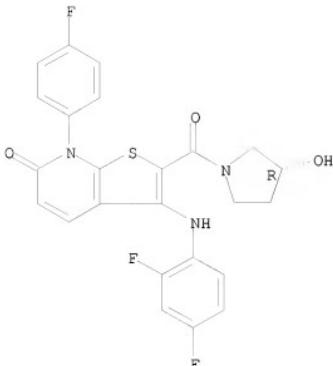
Absolute stereochemistry.



RN 816424-47-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(3R)-3-hydroxy-1-pyrrolidinylcarbonyl]- (CA INDEX NAME)

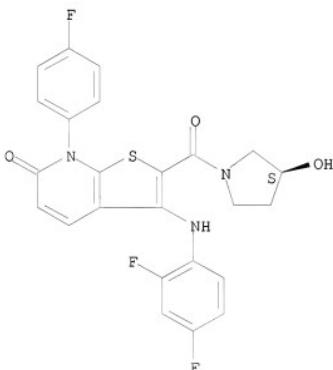
Absolute stereochemistry.



RN 816424-48-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

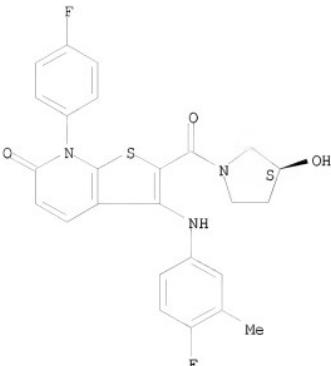
Absolute stereochemistry.



RN 816424-49-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

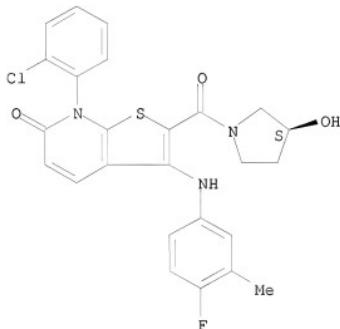
Absolute stereochemistry.



RN 816424-50-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

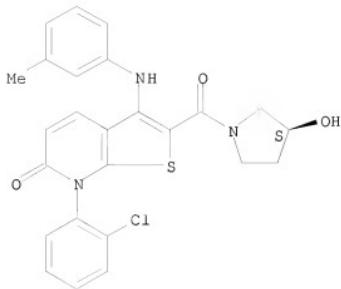
Absolute stereochemistry.



RN 816424-51-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(3-methylphenyl)amino]- (CA INDEX NAME)

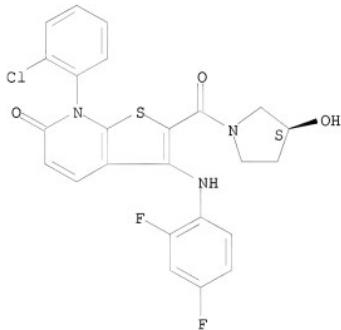
Absolute stereochemistry.



RN 816424-52-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

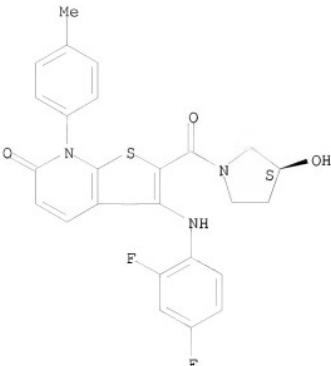
Absolute stereochemistry.



RN 816424-53-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl-7-(4-methylphenyl)- (CA INDEX NAME)

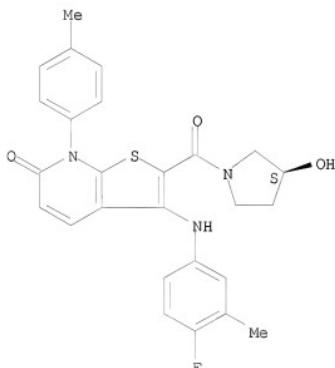
Absolute stereochemistry.



RN 816424-54-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

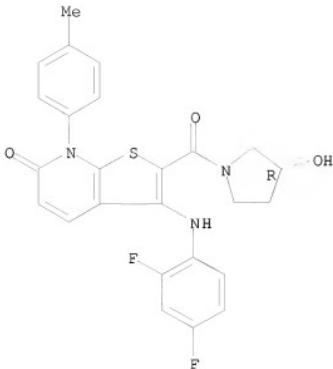
Absolute stereochemistry.



RN 816424-55-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

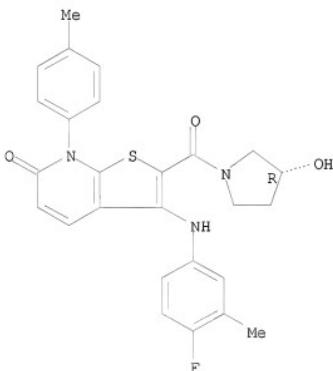
Absolute stereochemistry.



RN 816424-56-3 CAPLUS

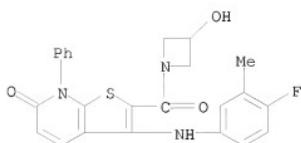
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[{(4-fluoro-3-methylphenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

Absolute stereochemistry.

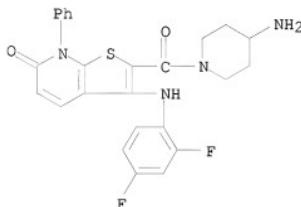


RN 816424-57-4 CAPLUS

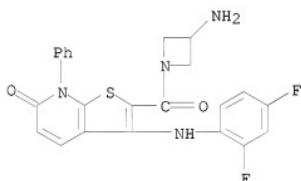
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[{(4-fluoro-3-methylphenyl)amino]-2-[(3S)-hydroxy-1-azetidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)



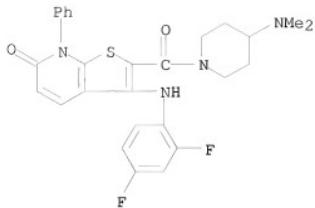
RN 816424-58-5 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-amino-1-piperidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



RN 816424-59-6 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3-amino-1-azetidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

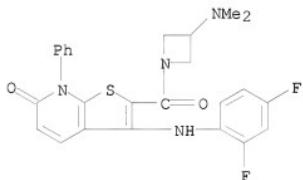


RN 816424-60-9 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(4-(dimethylamino)-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-61-0 CAPLUS

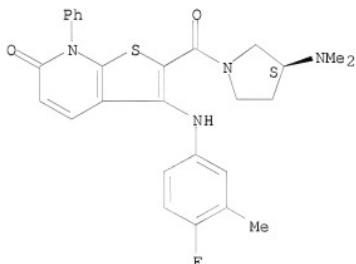
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3-(dimethylamino)-1-azetidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-62-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3S)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

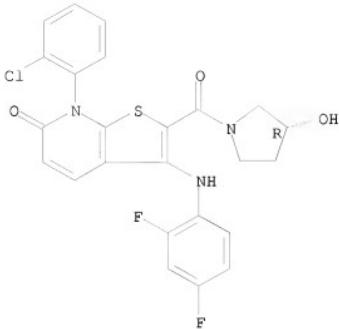
Absolute stereochemistry.



RN 816424-63-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

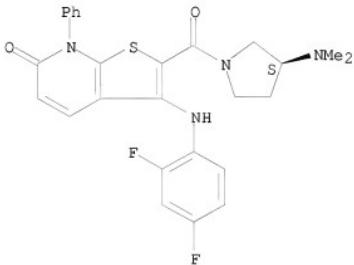
Absolute stereochemistry.



RN 816426-21-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



IT 639479-13-3P, Ethyl 3-anilino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-14-4P, Ethyl 3-[(2-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-21-3P, Ethyl 3-[(3-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-22-4P, Ethyl 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-24-6P, Ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-26-8P 639479-59-7P, Ethyl 3-anilino-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-45-8P, Ethyl 3-[(3-chloro-4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-49-2P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(4-chlorophenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-50-5P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(3-methylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-51-6P, Ethyl

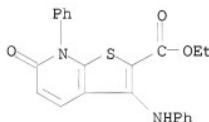
3-[(3-methylphenyl)amino]-6-oxo-7-(3-methylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-80-4P,  
 3-[(2,4-Difluorophenyl)amino]-7-phenylthieno[2,3-b]pyridin-6(7H)-one 639482-02-3P 639482-11-4P 639504-79-3P, Ethyl  
 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-65-4P 816424-66-5P  
 816424-67-6P 816424-68-7P 816424-69-8P  
 816424-70-1P 816424-79-0P 816424-80-3P  
 816424-81-4P 816424-82-5P 816424-83-6P  
 816424-84-7P 816424-85-8P 816424-86-9P  
 816424-90-5P 816424-91-6P 816424-93-8P, Sodium  
 3-[(2-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-94-9P 816424-95-0P  
 816424-96-1P 816424-97-2P, Pentfluorophenyl  
 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816425-03-3P 816425-04-4P  
 816425-05-5P 816425-07-7P 816425-08-8P  
 816425-09-9P 816425-15-7P 816425-16-8P  
 816425-17-9P 816425-20-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thienopyridone derivs. as p38 $\alpha$  kinase inhibitors)

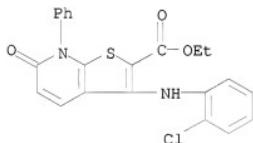
RN 639479-13-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



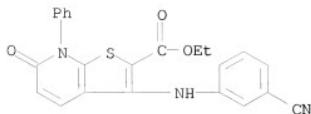
RN 639479-14-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)

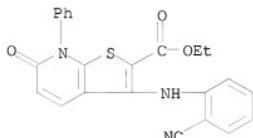


RN 639479-21-3 CAPLUS

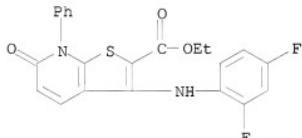
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



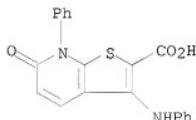
RN 639479-22-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA  
 INDEX NAME)



RN 639479-24-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester  
 (CA INDEX NAME)



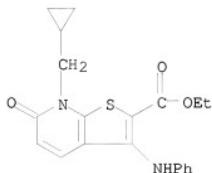
RN 639479-26-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ammonium salt (1:1) (CA  
 INDEX NAME)



● NH<sub>3</sub>

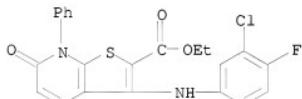
RN 639479-59-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,

7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



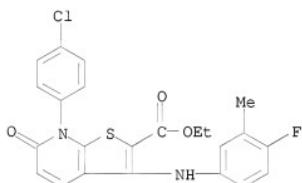
RN 639480-45-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl  
ester (CA INDEX NAME)



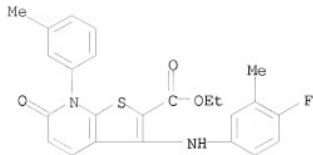
RN 639480-49-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-,  
ethyl ester (CA INDEX NAME)



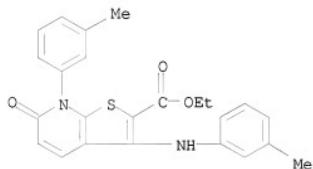
RN 639480-50-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-,  
ethyl ester (CA INDEX NAME)



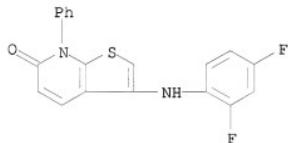
RN 639480-51-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, ethyl  
ester (CA INDEX NAME)



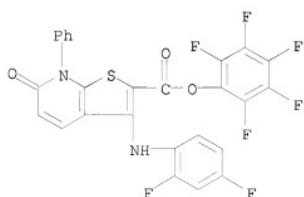
RN 639481-80-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-  
(CA INDEX NAME)

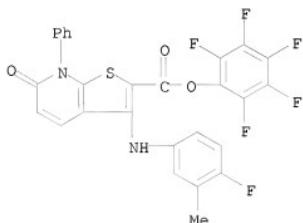


RN 639482-02-3 CAPLUS

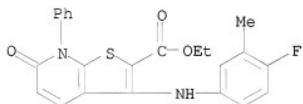
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,  
2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



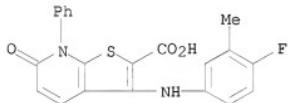
RN 639482-11-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,  
 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



RN 639504-79-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl  
 ester (CA INDEX NAME)

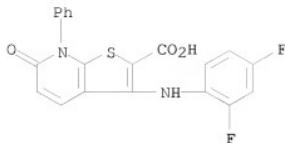


RN 816424-65-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium  
 salt (1:1) (CA INDEX NAME)



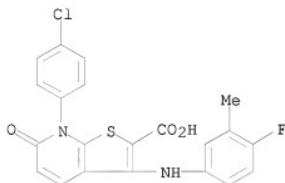
● Li

RN 816424-66-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt  
 (1:1) (CA INDEX NAME)



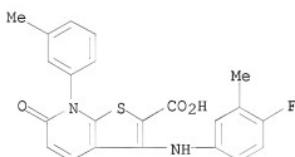
● Li

RN 816424-67-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-,  
 sodium salt (1:1) (CA INDEX NAME)



● Na

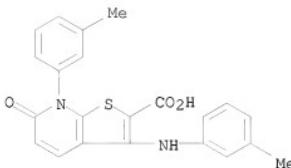
RN 816424-68-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-,  
 sodium salt (1:1) (CA INDEX NAME)



● Na

RN 816424-69-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, sodium

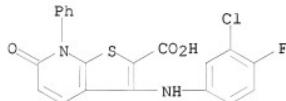
salt (1:1) (CA INDEX NAME)



● Na

RN 816424-70-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, sodium  
salt (1:1) (CA INDEX NAME)

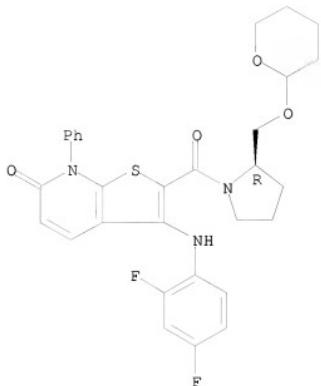


● Na

RN 816424-79-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-[[{(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl}-1-pyrrolidinyl]carbonyl]-  
(CA INDEX NAME)

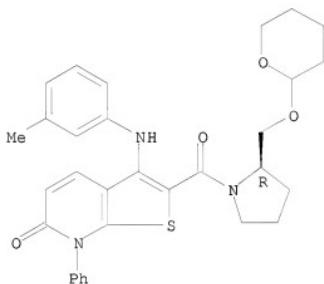
Absolute stereochemistry.



RN 816424-80-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-methylphenyl)amino]-7-phenyl-2-  
[[ (2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-  
(CA INDEX NAME)

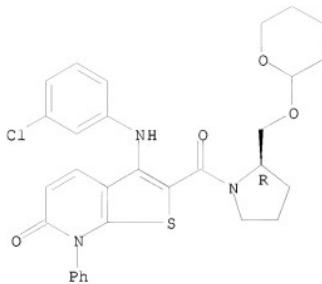
Absolute stereochemistry.



RN 816424-81-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl-2-  
[[ (2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-  
(CA INDEX NAME)

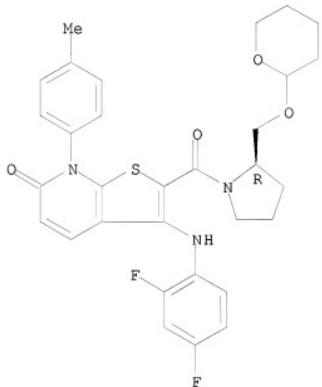
Absolute stereochemistry.



RN 816424-82-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-methylphenyl)-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinylcarbonyl- (CA INDEX NAME)

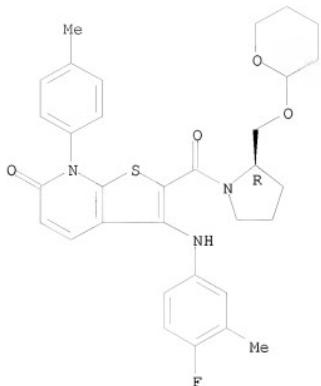
Absolute stereochemistry.



RN 816424-83-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-methylphenyl)-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinylcarbonyl- (CA INDEX NAME)

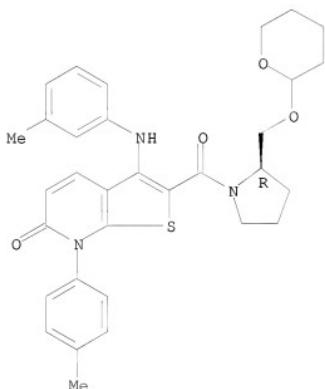
Absolute stereochemistry.



RN 816424-84-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

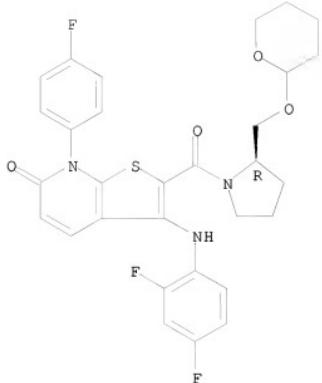
Absolute stereochemistry.



RN 816424-85-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

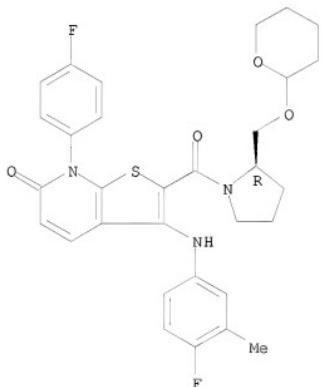
Absolute stereochemistry.



RN 816424-86-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl carbonyl - (CA INDEX NAME)

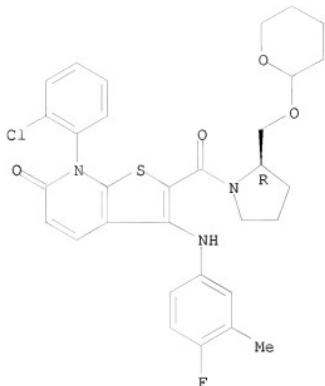
Absolute stereochemistry.



RN 816424-90-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl carbonyl - (CA INDEX NAME)

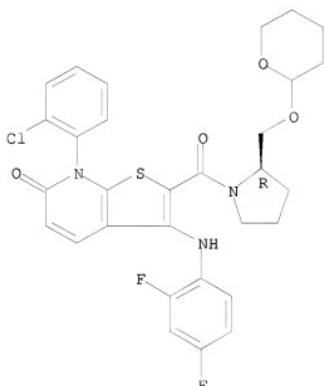
Absolute stereochemistry.



RN 816424-91-6 CAPLUS

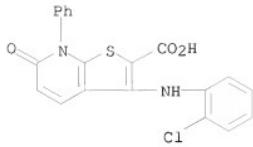
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-[[((tetrahydro-2H-pyran-2-yl)oxy)methyl]1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

Absolute stereochemistry.



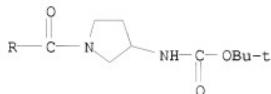
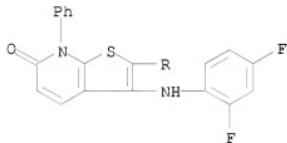
RN 816424-93-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, sodium salt (1:1) (CA INDEX NAME)



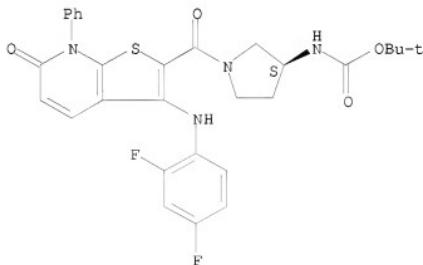
● Na

RN 816424-94-9 CAPLUS  
 CN Carbamic acid, [1-[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



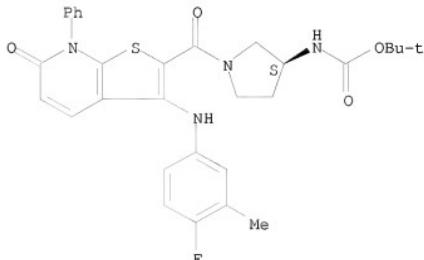
RN 816424-95-0 CAPLUS  
 CN Carbamic acid, [(3S)-1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

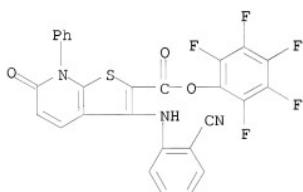


RN 816424-96-1 CAPLUS  
CN Carbanic acid, [(3S)-1-[(3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

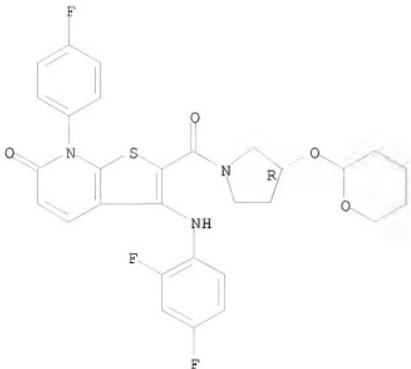


RN 816424-97-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



RN 816425-03-3 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

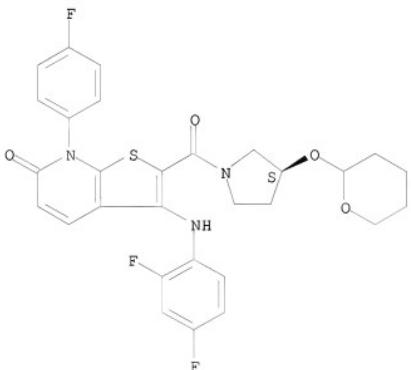
Absolute stereochemistry.



RN 816425-04-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-|(2,4-difluorophenyl)amino|-7-(4-fluorophenyl)-2-||(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl|carbonyl|- (CA INDEX NAME)

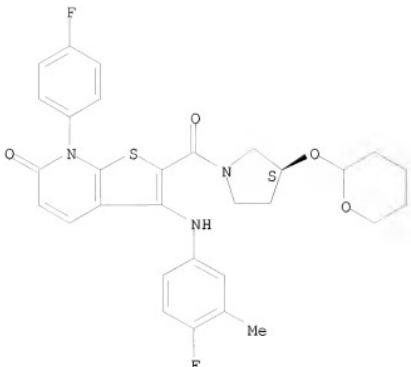
Absolute stereochemistry.



RN 816425-05-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-|(4-fluoro-3-methylphenyl)amino|-7-(4-fluorophenyl)-2-||(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl|carbonyl|- (CA INDEX NAME)

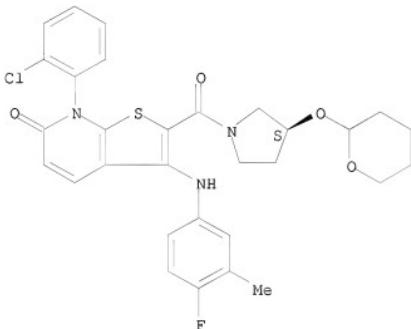
Absolute stereochemistry.



RN 816425-07-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

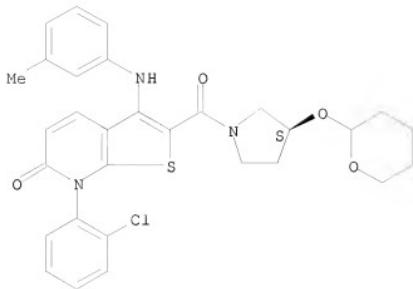
Absolute stereochemistry.



RN 816425-08-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(3-methylphenyl)amino]-2-[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

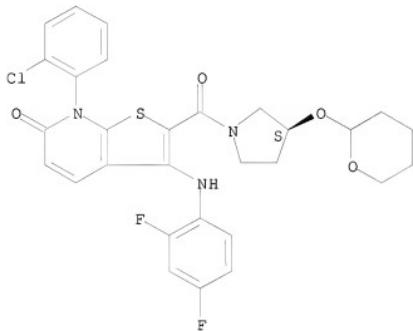
Absolute stereochemistry.



RN 816425-09-9 CAPLUS

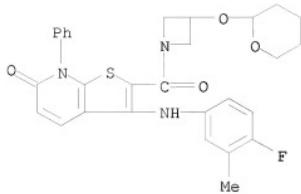
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

Absolute stereochemistry.



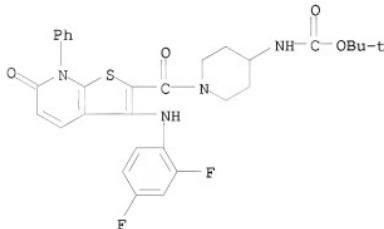
RN 816425-15-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-[(3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-azetidinyl)carbonyl]- (CA INDEX NAME)



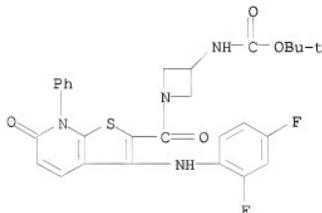
RN 816425-16-8 CAPLUS

CN Carbamic acid, [1-[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-4-piperidinyl]-1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 816425-17-9 CAPLUS

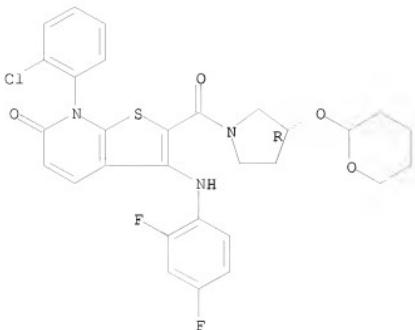
CN Carbamic acid, [1-[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-azetidinyl]-1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 816425-20-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:2888 CAPLUS

DOCUMENT NUMBER: 140:59658

TITLE: Preparation of arylamine substituted bicyclic hetero-aromatic compounds as p38 kinase inhibitors

INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John

PATENT ASSIGNEE(S): Celltech R & D Limited, UK

SOURCE: PCT Int. Appl., 174 pp.

CODEN: PIXXD2

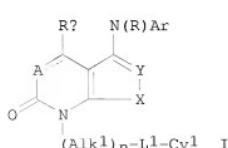
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000846	A1	20031231	WO 2003-GB2667	20030620
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2487718	A1	20031231	CA 2003-2487718	20030620
AU 2003253087	A1	20040106	AU 2003-253087	20030620
AU 2003253087	B2	20081016		
BR 2003011842	A	20050315	BR 2003-11842	20030620
EP 1551848	A1	20050713	EP 2003-760802	20030620
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1671715	A	20050921	CN 2003-818371	20030620
CN 100390179	C	20080528		
JP 2005530838	T	20051013	JP 2004-515043	20030620
NZ 537740	A	20060331	NZ 2003-537740	20030620
MX 2004PA12746	A	20050323	MX 2004-PA12746	20041215
NO 2005000306	A	20050316	NO 2005-306	20050119
ZA 2005000524	A	20060830	ZA 2005-524	20050119
US 20060004025	A1	20060105	US 2005-518725	20050526
US 7423047	B2	20080909		
PRIORITY APPLN. INFO.:			GB 2002-14268	A 20020620
			WO 2003-GB2667	W 20030620
OTHER SOURCE(S):	MARPAT	140:59658		
GI				



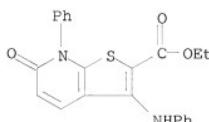
AB Bicyclic heteroarom. derivs. I; where the dashed line joining A and C(Ra)

is present and represents a bond and A is a -N= atom or a -C(Rb)= group, or the dashed line is absent and A is a -N(Rb)-, or -C(Rb)(Rc)- group; X is an -O-, -S- or substituted nitrogen atom or a -S(O)-, -S(O<sup>2</sup>)- or -NH-group; Y is a nitrogen or substituted carbon atom or a -CH = group; n is zero or the integer 1; Alk1 is an optionally substituted aliphatic or hetero-aliphatic chain L1 is a covalent bond or a linker atom or group; Cyl is a hydrogen atom or an optionally substituted cyclo-aliphatic, poly-cyclo-aliphatic, hetero-cyclo-aliphatic, poly-hetero-cyclo-aliphatic, aromatic or hetero-aromatic group; Ar is an optionally substituted aromatic or heteroarom. group; and the remaining substituents are defined in the specification. The compds. are potent and selective inhibitors of p38 kinase and are of use in the prophylaxis and treatment of immune or inflammatory disorders. Thus, 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-N-pyrrolidin-3-yl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide was prepared as as p38 kinase inhibitor. In the p38 inhibitor assays described above compds. of the invention have IC<sub>50</sub> values of around 1 μM and below. The compds. of the invention are clearly potent inhibitors of p38 kinase, especially p38α kinase.

IT 639479-13-3P 639479-14-4P 639479-15-5P  
 639479-21-3P 639479-22-4P 639479-24-6P  
 639479-26-8P 639479-32-6P 639479-34-8P  
 639479-36-0P 639479-38-2P 639479-41-7P  
 639479-43-9P 639479-47-3P 639479-48-4P  
 639479-52-0P 639479-54-2P 639479-64-4P  
 639479-65-5P 639479-66-6P 639479-67-7P  
 639479-68-8P 639479-74-6P 639479-78-0P  
 639479-80-4P 639479-82-6P 639479-84-8P  
 639479-89-3P 639479-91-7P 639479-93-9P  
 639479-94-0P 639479-96-2P 639479-98-4P  
 639479-99-5P 639480-02-7P 639480-05-0P  
 639480-06-1P 639480-10-7P 639480-12-9P  
 639480-41-4P 639480-42-5P 639480-43-6P  
 639480-45-8P 639480-46-9P 639480-47-0P  
 639480-48-1P 639480-52-7P 639480-55-0P  
 639480-56-1P 639480-58-3P 639480-59-4P  
 639480-60-7P 639480-63-0P 639480-64-1P  
 639480-66-3P 639480-67-4P 639480-69-6P  
 639480-70-9P 639480-74-3P 639480-75-4P  
 639480-76-5P

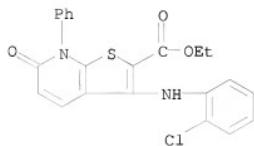
RL: IMF (Industrial manufacture); PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

p38  
 (preparation of arylamine substituted bicyclic hetero-aromatic compds. as  
 kinase inhibitors)  
 RN 639479-13-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 6, 7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)

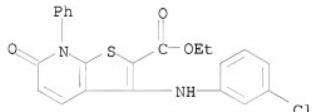


RN 639479-14-4 CAPLUS

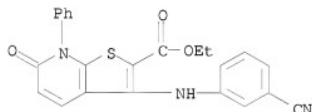
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA  
INDEX NAME)



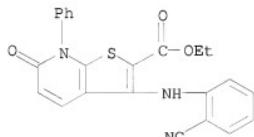
RN 639479-15-5 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA  
INDEX NAME)



RN 639479-21-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA  
INDEX NAME)

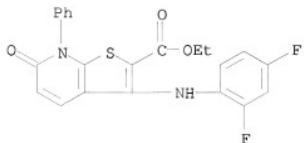


RN 639479-22-4 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA  
INDEX NAME)

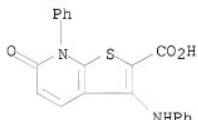


RN 639479-24-6 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,

3-[ (2, 4-difluorophenyl)amino]-6, 7-dihydro-6-oxo-7-phenyl-, ethyl ester  
(CA INDEX NAME)

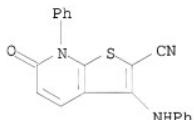


RN 639479-26-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ammonium salt (1:1) (CA  
INDEX NAME)

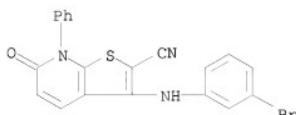


● NH<sub>3</sub>

RN 639479-32-6 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

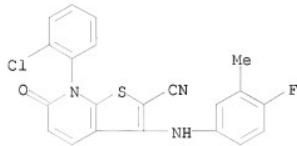


RN 639479-34-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(3-bromophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

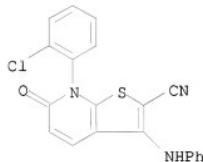


RN 639479-36-0 CAPLUS

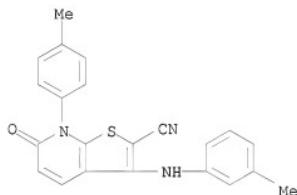
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-  
(CA INDEX NAME)



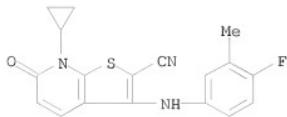
RN 639479-38-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



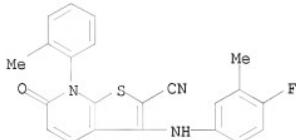
RN 639479-41-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
6,7-dihydro-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX  
NAME)



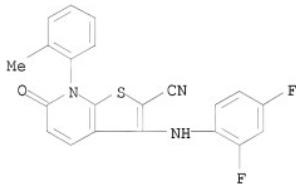
RN 639479-43-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
7-cyclopropyl-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA  
INDEX NAME)



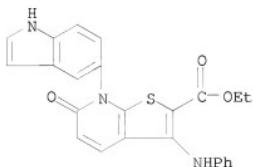
RN 639479-47-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo-  
 (CA INDEX NAME)



RN 639479-48-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA  
 INDEX NAME)

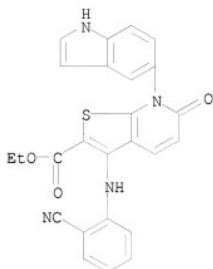


RN 639479-52-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-(phenylamino)-, ethyl ester (CA  
 INDEX NAME)



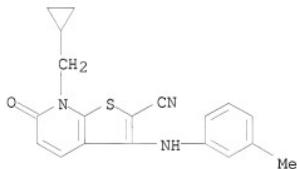
RN 639479-54-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-, ethyl ester  
(CA INDEX NAME)



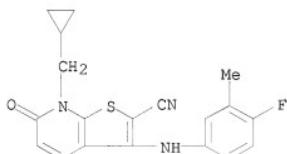
RN 639479-64-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
7-(cyclopropylmethyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA  
INDEX NAME)



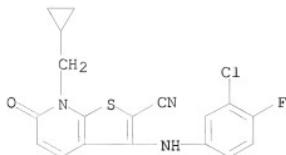
RN 639479-65-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
7-(cyclopropylmethyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-  
(CA INDEX NAME)

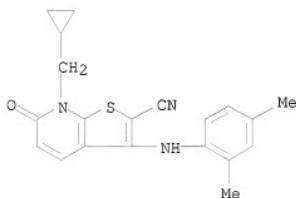


RN 639479-66-6 CAPLUS

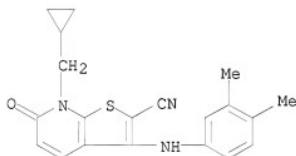
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(3-chloro-4-fluorophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-  
(CA INDEX NAME)



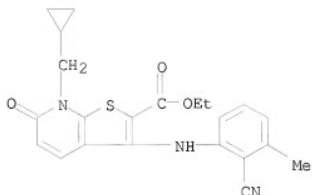
RN 639479-67-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
7-(cyclopropylmethyl)-3-[(2,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo-  
(CA INDEX NAME)



RN 639479-68-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
7-(cyclopropylmethyl)-3-[(3,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo-  
(CA INDEX NAME)

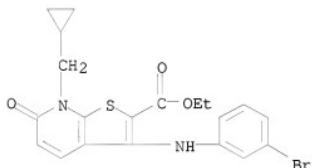


RN 639479-74-6 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-  
, ethyl ester (CA INDEX NAME)



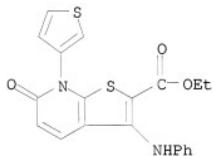
RN 639479-78-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(3-bromophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl  
ester (CA INDEX NAME)



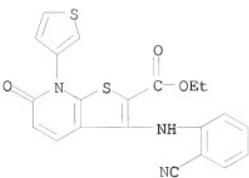
RN 639479-80-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-thienyl)-, ethyl ester (CA INDEX  
NAME)

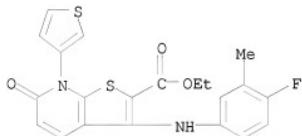


RN 639479-82-6 CAPLUS

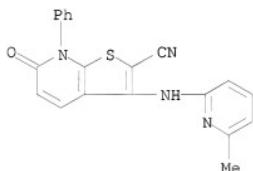
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl ester  
(CA INDEX NAME)



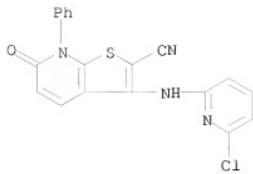
RN 639479-84-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl  
 ester (CA INDEX NAME)



RN 639479-89-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA INDEX  
 NAME)

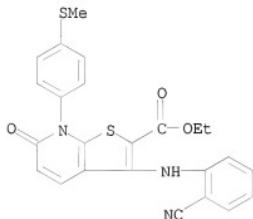


RN 639479-91-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 3-[(6-chloro-2-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX  
 NAME)



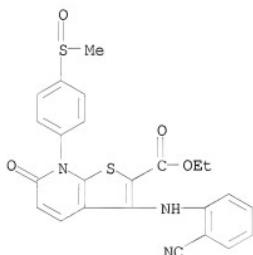
RN 639479-93-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-,  
ethyl ester (CA INDEX NAME)



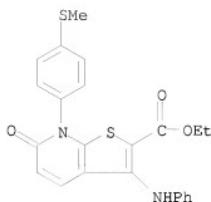
RN 639479-94-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-,  
ethyl ester (CA INDEX NAME)



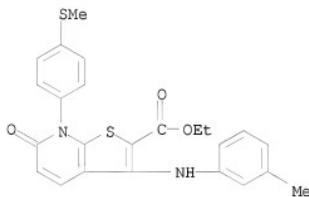
RN 639479-96-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester  
(CA INDEX NAME)



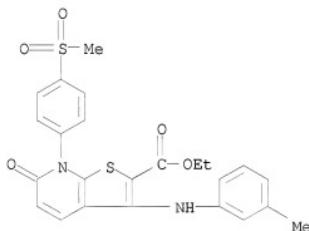
RN 639479-98-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylthio)phenyl]-6-oxo-,  
ethyl ester (CA INDEX NAME)



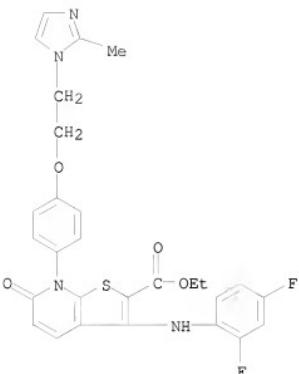
RN 639479-99-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo-,  
ethyl ester (CA INDEX NAME)

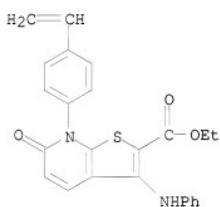


RN 639480-02-7 CAPLUS

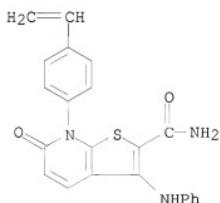
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639480-05-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA  
 INDEX NAME)

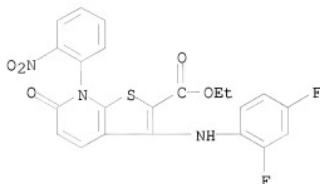


RN 639480-06-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



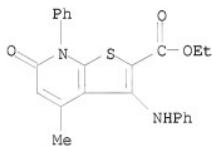
RN 639480-10-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, ethyl  
ester (CA INDEX NAME)



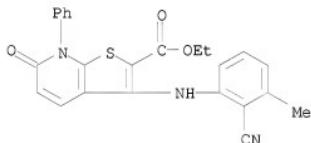
RN 639480-12-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-4-methyl-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA  
INDEX NAME)



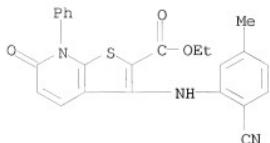
RN 639480-41-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2-cyano-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester  
(CA INDEX NAME)

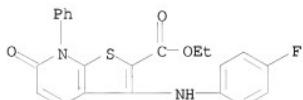


RN 639480-42-5 CAPLUS

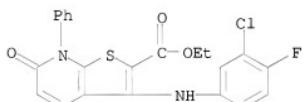
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2-cyano-5-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester  
(CA INDEX NAME)



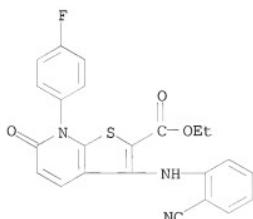
RN 639480-43-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA  
 INDEX NAME)



RN 639480-45-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl  
 ester (CA INDEX NAME)

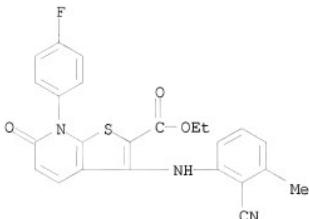


RN 639480-46-9 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl  
 ester (CA INDEX NAME)



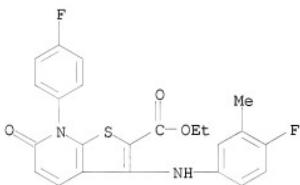
RN 639480-47-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2-cyano-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-,

ethyl ester (CA INDEX NAME)



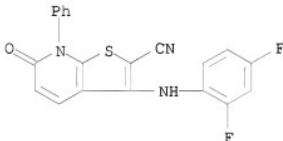
RN 639480-48-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-,  
ethyl ester (CA INDEX NAME)



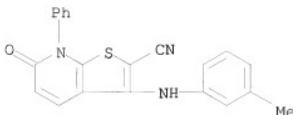
RN 639480-52-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

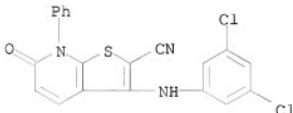


RN 639480-55-0 CAPLUS

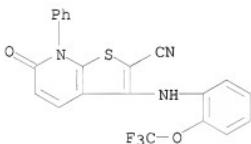
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



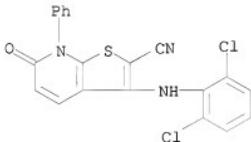
RN 639480-56-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 3-[(3,5-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



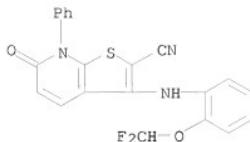
RN 639480-58-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6,7-dihydro-6-oxo-7-phenyl-3-[(2-(trifluoromethoxy)phenyl)amino]- (CA INDEX NAME)



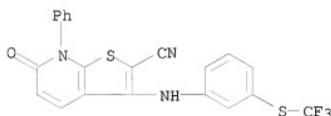
RN 639480-59-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 3-[(2,6-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



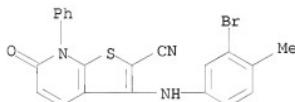
RN 639480-60-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 3-[(2-(difluoromethoxy)phenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



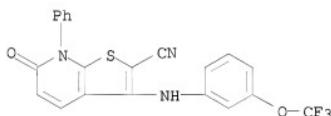
RN 639480-63-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6,7-dihydro-6-oxo-7-phenyl-3-[(3-[(trifluoromethyl)thio]phenyl)amino]-  
 (CA INDEX NAME)



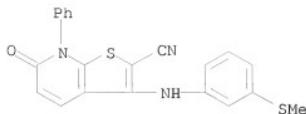
RN 639480-64-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6-((3-bromo-4-methylphenyl)amino)-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX  
 NAME)



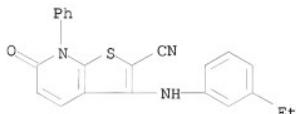
RN 639480-66-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6,7-dihydro-6-oxo-7-phenyl-3-[(3-(trifluoromethoxy)phenyl)amino]- (CA  
 INDEX NAME)



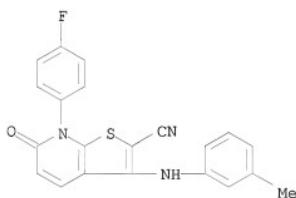
RN 639480-67-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6,7-dihydro-3-[(3-(methylthio)phenyl)amino]-6-oxo-7-phenyl- (CA INDEX  
 NAME)



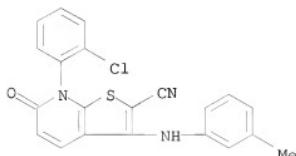
RN 639480-69-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 3-[(3-ethylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



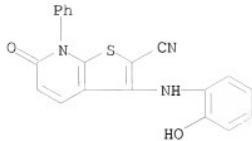
RN 639480-70-9 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 7-(4-fluorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



RN 639480-74-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 7-(2-chlorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)

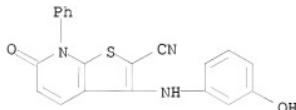


RN 639480-75-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6,7-dihydro-3-[(2-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639480-76-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
6,7-dihydro-3-(3-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



IT 639479-16-6P 639479-18-8P 639479-19-9P  
 639479-20-2P 639479-23-5P 639479-25-7P  
 639479-28-0P 639479-29-1P 639479-30-4P  
 639479-35-9P 639479-37-1P 639479-39-3P  
 639479-40-6P 639479-42-8P 639479-44-0P  
 639479-45-1P 639479-46-2P 639479-49-5P  
 639479-50-8P 639479-51-9P 639479-53-1P  
 639479-55-3P 639479-56-4P 639479-57-5P  
 639479-58-6P 639479-59-7P 639479-60-0P  
 639479-61-1P 639479-62-2P 639479-63-3P  
 639479-69-9P 639479-70-2P 639479-71-3P  
 639479-72-4P 639479-73-5P 639479-75-7P  
 639479-76-8P 639479-79-1P 639479-81-5P  
 639479-83-7P 639479-85-9P 639479-86-0P  
 639479-87-1P 639479-88-2P 639479-90-6P  
 639479-92-8P 639479-95-1P 639479-97-3P  
 639480-00-5P 639480-01-6P 639480-03-8P  
 639480-04-9P 639480-07-2P 639480-08-3P  
 639480-09-4P 639480-11-8P 639480-13-0P  
 639480-14-1P 639480-15-2P 639480-16-3P  
 639480-17-4P 639480-19-6P 639480-20-9P  
 639480-21-0P 639480-22-1P 639480-23-2P  
 639480-24-3P 639480-25-4P 639480-26-5P  
 639480-27-6P 639480-28-7P 639480-29-8P  
 639480-30-1P 639480-31-2P 639480-32-3P  
 639480-33-4P 639480-34-5P 639480-35-6P  
 639480-36-7P 639480-37-8P 639480-38-9P  
 639480-39-0P 639480-40-3P 639480-44-7P  
 639480-49-2P 639480-50-5P 639480-51-6P  
 639480-53-8P 639480-54-9P 639480-57-2P  
 639480-61-8P 639480-62-9P 639480-65-2P  
 639480-68-5P 639480-71-0P 639480-72-1P  
 639480-73-2P 639480-77-6P 639480-78-7P  
 639480-79-8P 639480-80-1P 639480-81-2P  
 639480-82-3P 639480-83-4P 639480-84-5P  
 639480-85-6P 639480-86-7P 639480-87-8P  
 639480-88-9P 639480-89-0P 639480-90-3P

639480-91-4P 639480-92-5P 639480-93-6P  
639480-94-7P 639480-95-8P 639480-96-9P  
639480-97-0P 639480-98-1P 639480-99-2P  
639481-00-8P 639481-01-9P 639481-02-0P  
639481-03-1P 639481-04-2P 639481-05-3P  
639481-06-4P 639481-07-5P 639481-08-6P  
639481-09-7P 639481-10-0P 639481-11-1P  
639481-12-2P 639481-13-3P 639481-15-5P  
639481-16-6P 639481-17-7P 639481-18-8P  
639481-19-9P 639481-20-2P 639481-21-3P  
639481-22-4P 639481-23-5P 639481-24-6P  
639481-25-7P 639481-26-8P 639481-27-9P  
639504-80-6P

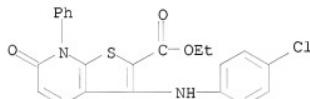
RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);  
PREP (Preparation); USES (Uses)  
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

kinase inhibitors)

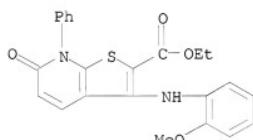
RN 639479-16-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(4-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA  
INDEX NAME)



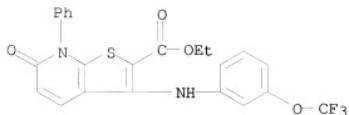
RN 639479-18-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-3-[(2-methoxyphenyl)amino]-6-oxo-7-phenyl-, ethyl ester (CA  
INDEX NAME)

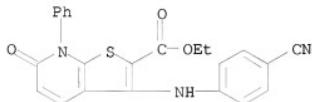


RN 639479-19-9 CAPLUS

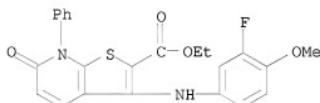
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-6-oxo-7-phenyl-3-[(3-(trifluoromethoxy)phenyl)amino]-, ethyl  
ester (CA INDEX NAME)



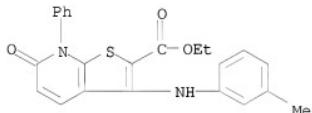
RN 639479-20-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(4-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



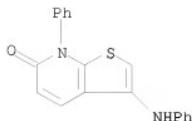
RN 639479-23-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(3-fluoro-4-methoxyphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



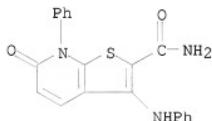
RN 639479-25-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



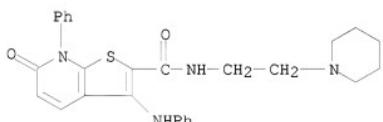
RN 639479-28-0 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)- (CA INDEX NAME)



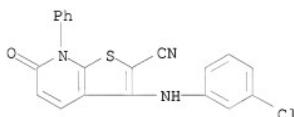
RN 639479-29-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



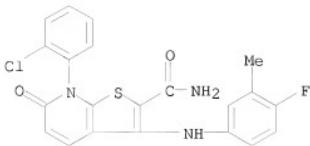
RN 639479-30-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]-  
 (CA INDEX NAME)



RN 639479-35-9 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

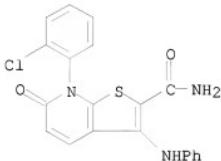


RN 639479-37-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-  
 (CA INDEX NAME)



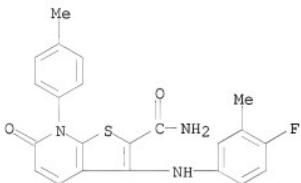
RN 639479-39-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



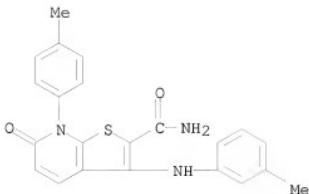
RN 639479-40-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(4-methylphenyl)-6-oxo-  
(CA INDEX NAME)

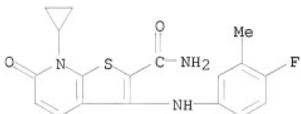


RN 639479-42-8 CAPLUS

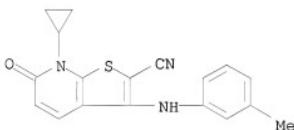
CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX  
NAME)



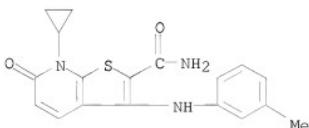
RN 639479-44-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 7-cyclopropyl-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 639479-45-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)

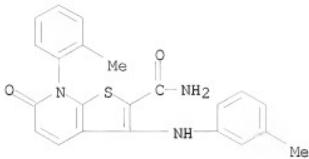


RN 639479-46-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



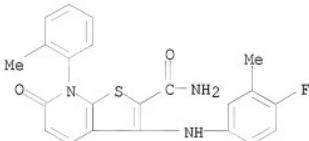
RN 639479-49-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-7-(2-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)

NAME)



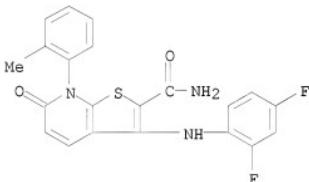
RN 639479-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[4-(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo-  
(CA INDEX NAME)



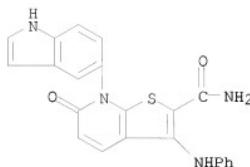
RN 639479-51-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[4-(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA  
INDEX NAME)



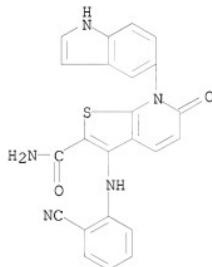
RN 639479-53-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-(phenylamino)- (CA INDEX NAME)



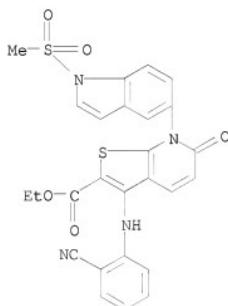
RN 639479-55-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-(2-cyanophenyl)amino]-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo- (CA INDEX  
NAME)



RN 639479-56-4 CAPLUS

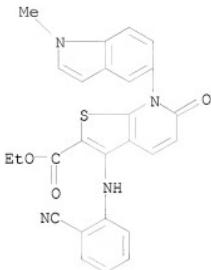
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-(2-cyanophenyl)amino]-6,7-dihydro-7-[1-(methylsulfonyl)-1H-indol-5-yl]-  
6-oxo-, ethyl ester (CA INDEX NAME)



RN 639479-57-5 CAPLUS

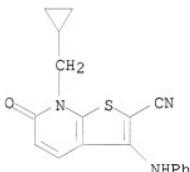
CN Thieno[2,3-b]pyridine-2-carboxylic acid,

3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1-methyl-1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



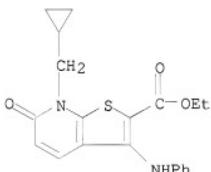
RN 639479-58-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



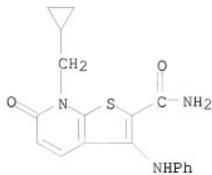
RN 639479-59-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)

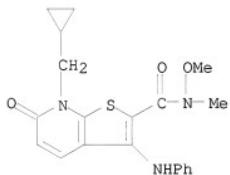


RN 639479-60-0 CAPLUS

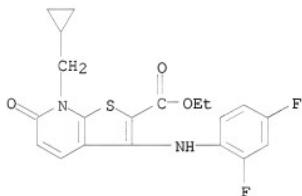
CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



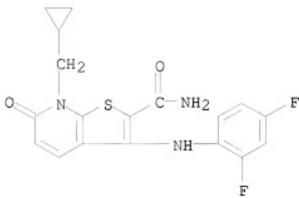
RN 639479-61-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-(cyclopropylmethyl)-6,7-dihydro-N-methoxy-6-oxo-3-(phenylamino)-  
(CA INDEX NAME)



RN 639479-62-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-,  
ethyl ester (CA INDEX NAME)

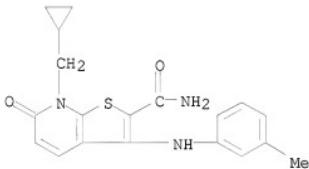


RN 639479-63-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-  
(CA INDEX NAME)



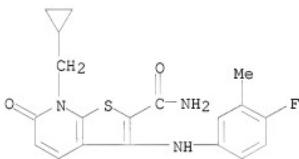
RN 639479-69-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-(cyclopropylmethyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA  
INDEX NAME)



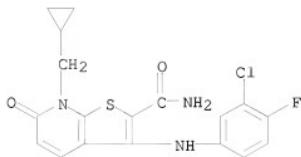
RN 639479-70-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-(cyclopropylmethyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-  
(CA INDEX NAME)



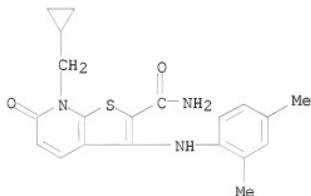
RN 639479-71-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(3-chloro-4-fluorophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-  
(CA INDEX NAME)



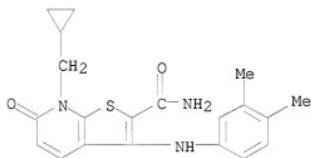
RN 639479-72-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-(cyclopropylmethyl)-3-[(2,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo-  
(CA INDEX NAME)



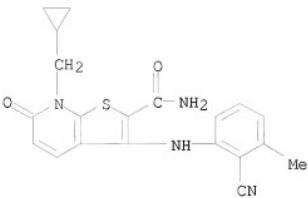
RN 639479-73-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-(cyclopropylmethyl)-3-[(3,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo-  
(CA INDEX NAME)



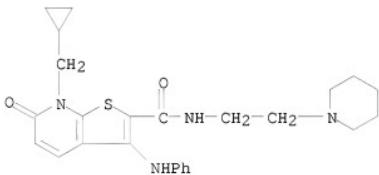
RN 639479-75-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-  
(CA INDEX NAME)



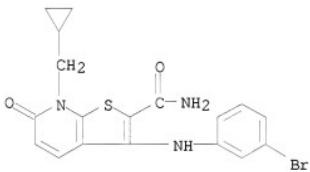
RN 639479-76-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



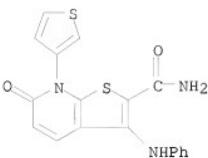
RN 639479-79-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(3-bromophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



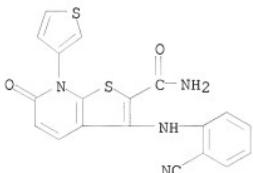
RN 639479-81-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-thienyl)- (CA INDEX NAME)



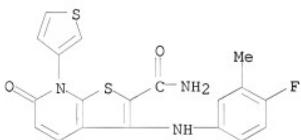
RN 639479-83-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



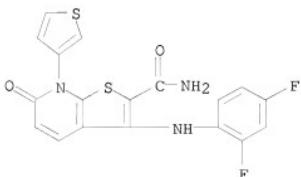
RN 639479-85-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)

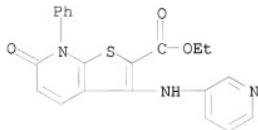


RN 639479-86-0 CAPLUS

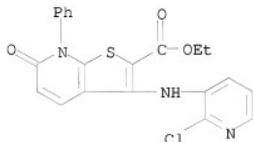
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2, 4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



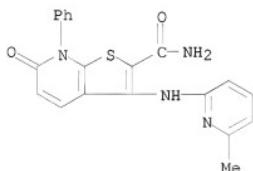
RN 639479-87-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-6-oxo-7-phenyl-3-(3-pyridinylamino)-, ethyl ester (CA INDEX  
NAME)



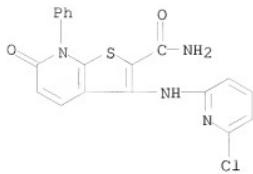
RN 639479-88-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2-chloro-3-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester  
(CA INDEX NAME)



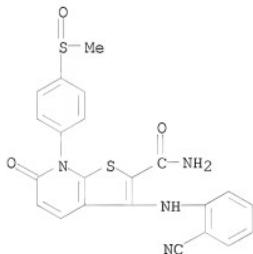
RN 639479-90-6 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA INDEX  
NAME)



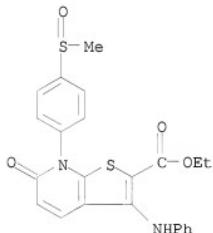
RN 639479-92-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(6-chloro-2-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX  
NAME)



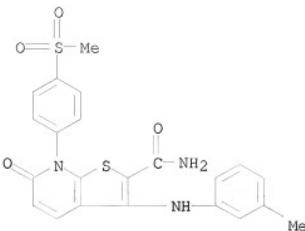
RN 639479-95-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-  
 (CA INDEX NAME)



RN 639479-97-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-3-(phenylamino)-, ethyl  
 ester (CA INDEX NAME)

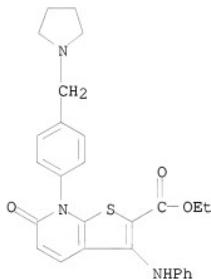


RN 639480-00-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo-  
 (CA INDEX NAME)



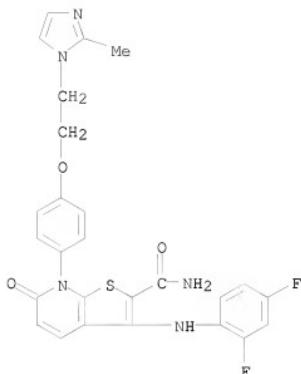
RN 639480-01-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-6-oxo-3-(phenylamino)-7-[4-(1-pyrrolidinylmethyl)phenyl]-,  
ethyl ester (CA INDEX NAME)



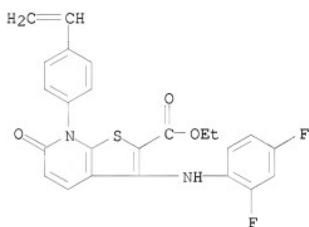
RN 639480-03-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo- (CA INDEX NAME)



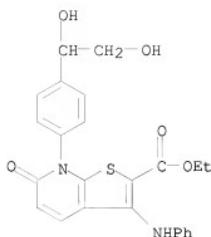
RN 639480-04-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2,4-difluorophenyl)amino]-7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-,  
ethyl ester (CA INDEX NAME)



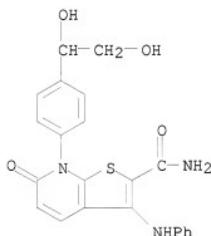
RN 639480-07-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
7-[4-(1,2-dihydroxyethyl)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl  
ester (CA INDEX NAME)



RN 639480-08-3 CAPLUS

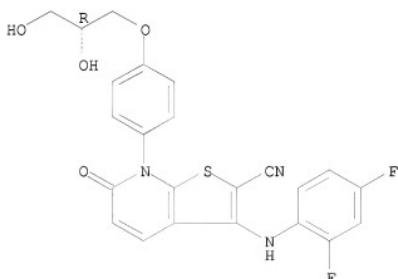
CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-[4-(1,2-dihydroxyethyl)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



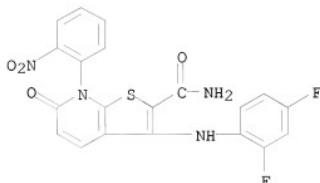
RN 639480-09-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(2,4-difluorophenyl)amino]-7-[4-((2R)-2,3-dihydroxypropoxy)phenyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)

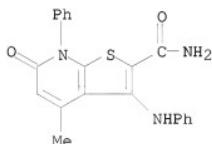
Absolute stereochemistry.



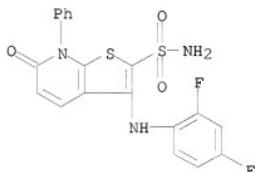
RN 639480-11-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo- (CA INDEX NAME)



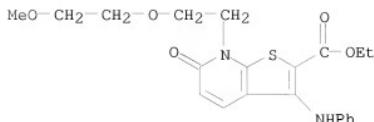
RN 639480-13-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-4-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



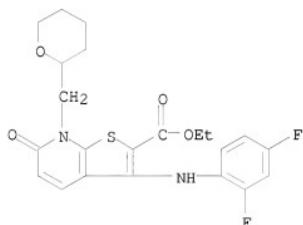
RN 639480-14-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-sulfonamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



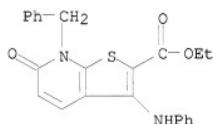
RN 639480-15-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-7-[2-(2-methoxyethoxy)ethyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



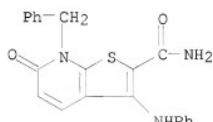
RN 639480-16-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-[(tetrahydro-2H-pyran-2-yl)methyl]-, ethyl ester (CA INDEX NAME)



RN 639480-17-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)-, ethyl ester (CA INDEX NAME)

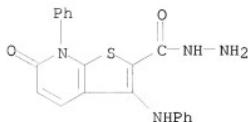


RN 639480-19-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)- (CA INDEX NAME)



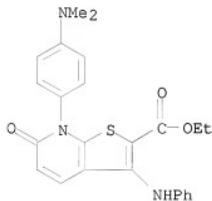
RN 639480-20-9 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,

6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, hydrazide (CA INDEX NAME)



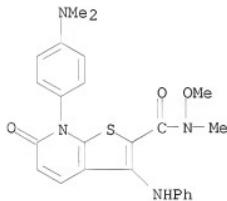
RN 639480-21-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl  
ester (CA INDEX NAME)



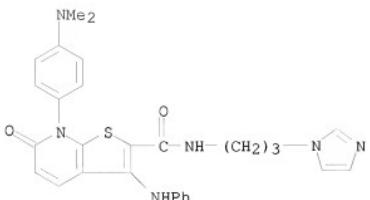
RN 639480-22-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-[4-(dimethylamino)phenyl]-6,7-dihydro-N-methoxy-N-methyl-6-oxo-3-(phenylamino)- (CA INDEX NAME)



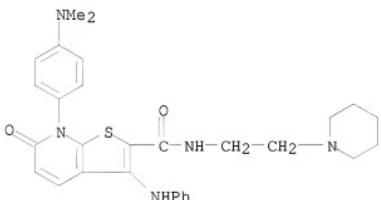
RN 639480-23-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-[4-(dimethylamino)phenyl]-6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-3-(phenylamino)- (CA INDEX NAME)



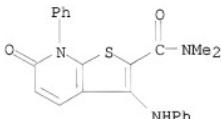
RN 639480-24-3 CAPLUS

CN Thiolo[2,3-b]pyridine-2-carboxamide,  
7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



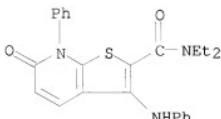
RN 639480-25-4 CAPLUS

CN Thiolo[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-N,N-dimethyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



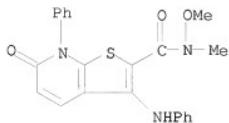
RN 639480-26-5 CAPLUS

CN Thiolo[2,3-b]pyridine-2-carboxamide,  
N,N-diethyl-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



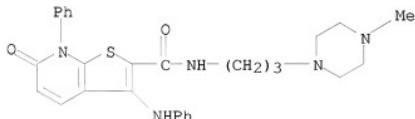
RN 639480-27-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-N-methoxy-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX  
NAME)



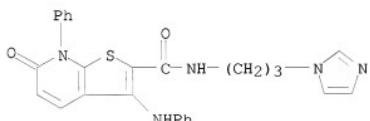
RN 639480-28-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-N-[3-(4-methyl-1-piperazinyl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



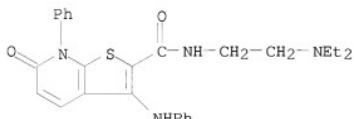
RN 639480-29-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-7-phenyl-3-(phenylamino)-  
(CA INDEX NAME)



RN 639480-30-1 CAPLUS

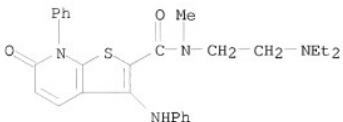
CN Thieno[2,3-b]pyridine-2-carboxamide,  
N-[2-(diethylamino)ethyl]-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA  
INDEX NAME)



RN 639480-31-2 CAPLUS

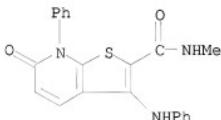
CN Thieno[2,3-b]pyridine-2-carboxamide,  
N-[2-(diethylamino)ethyl]-6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-

(phenylamino)- (CA INDEX NAME)



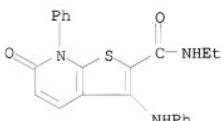
RN 639480-32-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



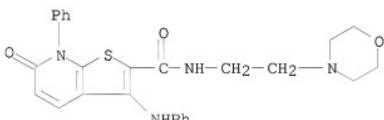
RN 639480-33-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
N-ethyl-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



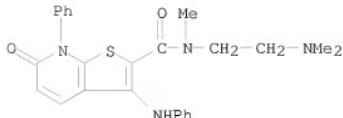
RN 639480-34-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-N-[2-(4-morpholinyl)ethyl]-6-oxo-7-phenyl-3-(phenylamino)-  
(CA INDEX NAME)

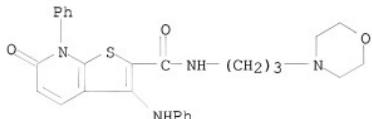


RN 639480-35-6 CAPLUS

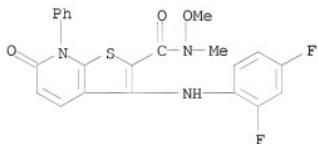
CN Thieno[2,3-b]pyridine-2-carboxamide,  
N-[2-(dimethylamino)ethyl]-6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



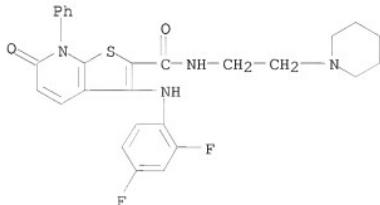
RN 639480-36-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-N-[3-(4-morpholinyl)propyl]-6-oxo-7-phenyl-3-(phenylamino)-  
 (CA INDEX NAME)



RN 639480-37-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-  
 (CA INDEX NAME)

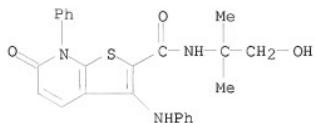


RN 639480-38-9 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-[2-(1-piperidinyl)ethyl]-  
 (CA INDEX NAME)



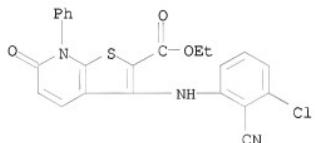
RN 639480-39-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-N-(2-hydroxy-1,1-dimethylethyl)-6-oxo-7-phenyl-3-(phenylamino)-  
(CA INDEX NAME)



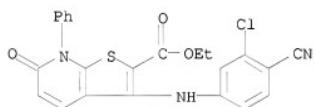
RN 639480-40-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(3-chloro-2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester  
(CA INDEX NAME)



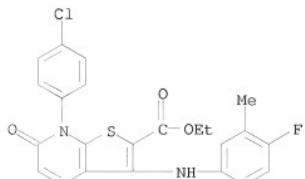
RN 639480-44-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(3-chloro-4-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester  
(CA INDEX NAME)

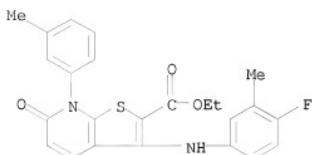


RN 639480-49-2 CAPLUS

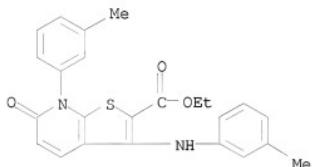
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-,  
ethyl ester (CA INDEX NAME)



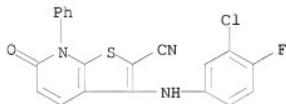
RN 639480-50-5 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-,  
ethyl ester (CA INDEX NAME)



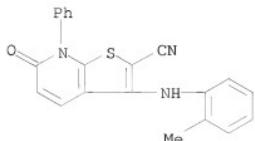
RN 639480-51-6 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, ethyl  
ester (CA INDEX NAME)



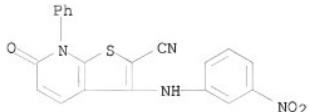
RN 639480-53-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX  
NAME)



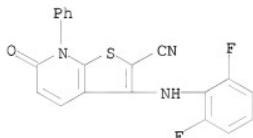
RN 639480-54-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
6,7-dihydro-3-[(2-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



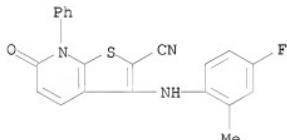
RN 639480-57-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
6,7-dihydro-3-(3-nitrophenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



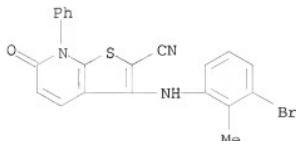
RN 639480-61-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(2,6-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



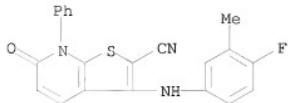
RN 639480-62-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(4-fluoro-2-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



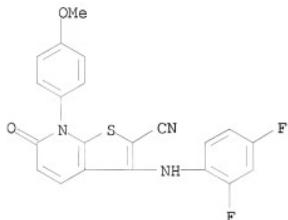
RN 639480-65-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(3-bromo-2-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639480-68-5 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[ (4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX  
NAME)

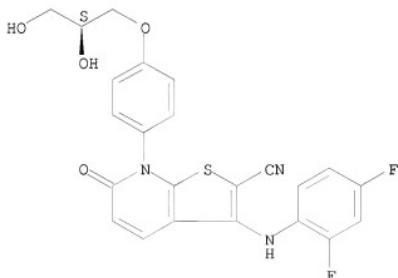


RN 639480-71-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[ (2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-methoxyphenyl)-6-oxo- (CA  
INDEX NAME)



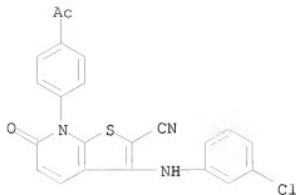
RN 639480-72-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[ (2,4-difluorophenyl)amino]-7-[4-[(2S)-2,3-dihydroxypropoxy]phenyl]-6,7-  
dihydro-6-oxo- (CA INDEX NAME)

Absolute stereochemistry.

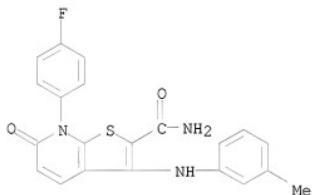


RN 639480-73-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
7-(4-acetylphenyl)-3-[ (3-chlorophenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX

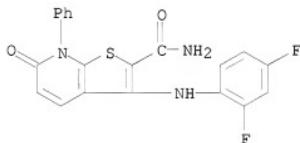
NAME)



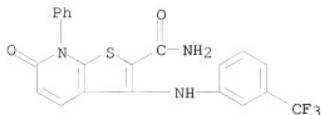
RN 639480-77-6 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
7-(4-fluorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX  
NAME)



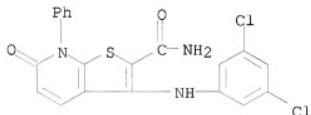
RN 639480-78-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



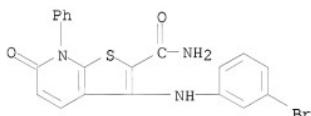
RN 639480-79-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-6-oxo-7-phenyl-3-[(3-(trifluoromethyl)phenyl)amino]- (CA  
INDEX NAME)



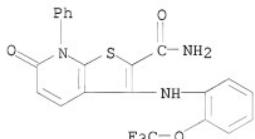
RN 639480-80-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(3,5-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



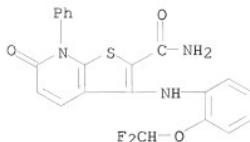
RN 639480-81-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(3-bromophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



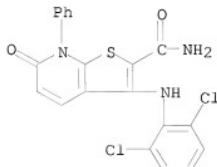
RN 639480-82-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-6-oxo-7-phenyl-3-[(2-(trifluoromethoxy)phenyl)amino]- (CA INDEX NAME)



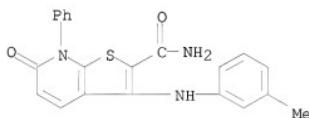
RN 639480-83-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(2-(difluoromethoxy)phenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



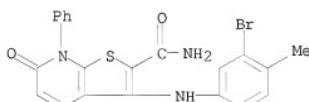
RN 639480-84-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(2,6-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



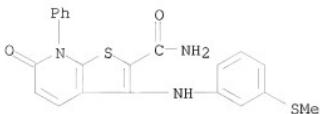
RN 639480-85-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



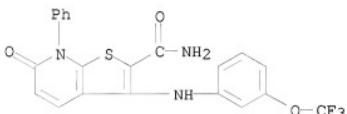
RN 639480-86-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(3-bromo-4-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



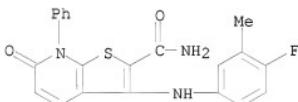
RN 639480-87-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-3-[(3-(methylthio)phenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



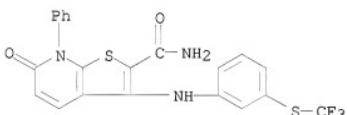
RN 639480-88-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-6-oxo-7-phenyl-3-[(3-(trifluoromethoxy)phenyl)amino]- (CA INDEX NAME)



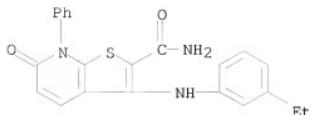
RN 639480-89-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



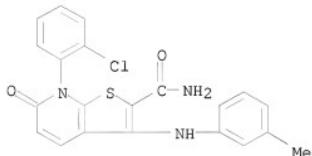
RN 639480-90-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-6-oxo-7-phenyl-3-[(3-((trifluoromethyl)thio)phenyl)amino]- (CA INDEX NAME)



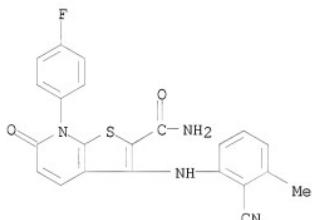
RN 639480-91-4 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(3-ethylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



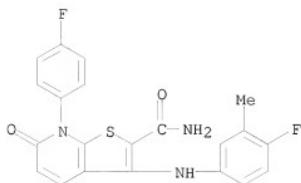
RN 639480-92-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 7-(2-chlorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX  
 NAME)



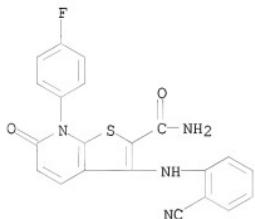
RN 639480-93-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(2-cyano-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-  
 (CA INDEX NAME)



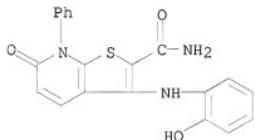
RN 639480-94-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-  
 (CA INDEX NAME)



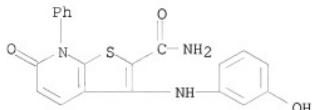
RN 639480-95-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX  
 NAME)



RN 639480-96-9 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-3-[(2-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)

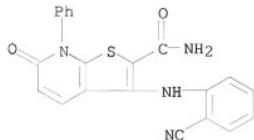


RN 639480-97-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 6,7-dihydro-3-[(3-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)

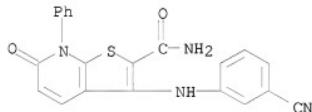
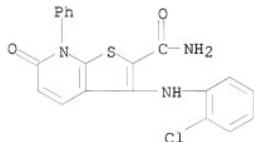


RN 639480-98-1 CAPLUS

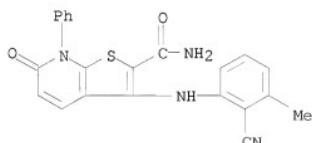
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



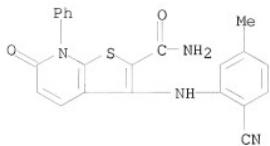
RN 639480-99-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639481-01-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2-cyano-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

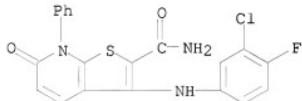


RN 639481-02-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2-cyano-5-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



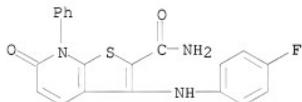
RN 639481-03-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX  
NAME)



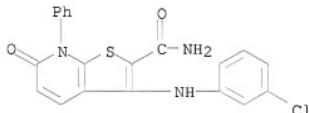
RN 639481-04-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



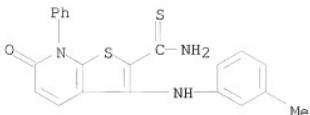
RN 639481-05-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

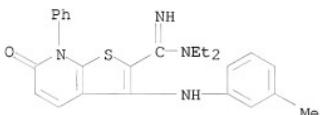


RN 639481-06-4 CAPLUS

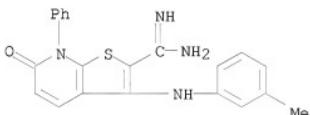
CN Thieno[2,3-b]pyridine-2-carbothioamide,  
6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



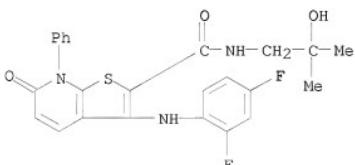
RN 639481-07-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboximidamide,  
*N,N*-diethyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



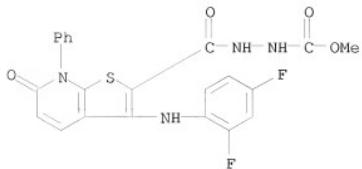
RN 639481-08-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboximidamide,  
*6,7*-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



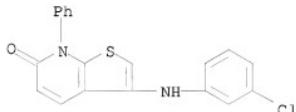
RN 639481-09-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-(2-hydroxy-2-methylpropyl)-6-oxo-7-phenyl- (CA INDEX NAME)



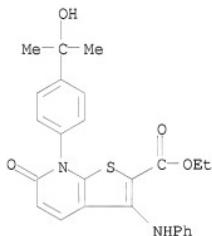
RN 639481-10-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,  
 2-(methoxycarbonyl)hydrazide (CA INDEX NAME)



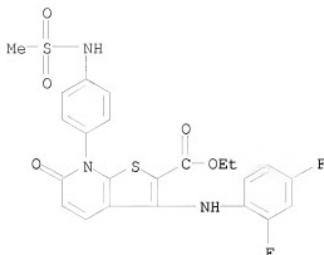
RN 639481-11-1 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl- (CA INDEX NAME)



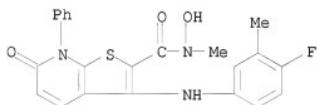
RN 639481-12-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 6,7-dihydro-7-[4-(1-hydroxy-1-methylethyl)phenyl]-6-oxo-3-(phenylamino)-,  
 ethyl ester (CA INDEX NAME)



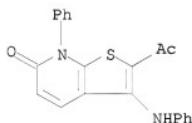
RN 639481-13-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-  
 [(methylsulfonyl)amino]phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



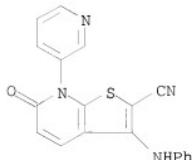
RN 639481-15-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide,  
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-N-hydroxy-N-methyl-6-oxo-7-  
 phenyl- (CA INDEX NAME)



RN 639481-16-6 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-acetyl-7-phenyl-3-(phenylamino)- (CA  
 INDEX NAME)

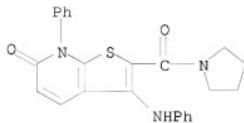


RN 639481-17-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-pyridinyl)- (CA INDEX NAME)



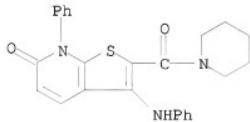
RN 639481-18-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



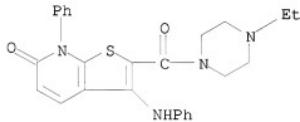
RN 639481-19-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-piperidinylcarbonyl)- (CA INDEX NAME)



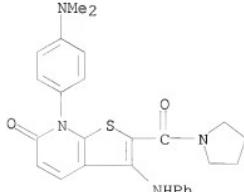
RN 639481-20-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



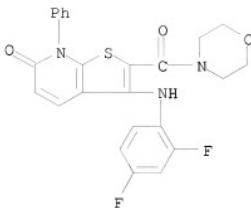
RN 639481-21-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-[4-(dimethylamino)phenyl]-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



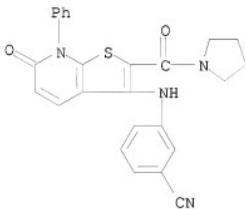
RN 639481-22-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-(4-morpholinylcarbonyl)-7-phenyl- (CA INDEX NAME)



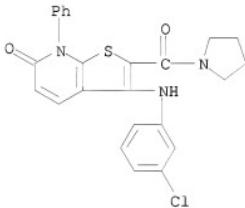
RN 639481-23-5 CAPLUS

CN Benzonitrile, 3-[(6,7-dihydro-6-oxo-7-phenyl-2-(1-pyrrolidinylcarbonyl)thieno[2,3-b]pyridin-3-yl)amino]- (CA INDEX NAME)



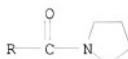
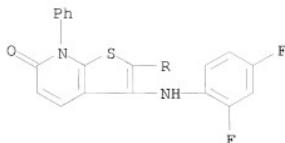
RN 639481-24-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



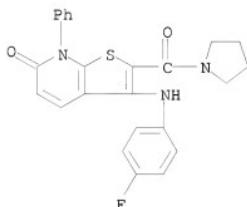
RN 639481-25-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



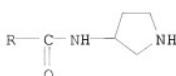
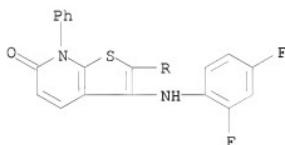
RN 639481-26-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



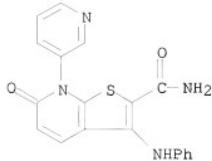
RN 639481-27-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-3-pyrrolidinyl-  
(CA INDEX NAME)



RN 639504-80-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide,  
6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-pyridinyl)- (CA INDEX NAME)



IT 639481-40-6P 639481-46-2P 639481-52-0P  
 639481-55-3P 639481-58-6P 639481-59-7P  
 639481-64-4P 639481-65-5P 639481-66-6P  
 639481-69-9P 639481-70-2P 639481-71-3P  
 639481-73-5P 639481-80-4P 639481-87-1P  
 639481-90-6P 639481-91-7P 639481-95-1P  
 639481-99-5P 639482-00-1P 639482-01-2P  
 639482-02-3P 639482-06-7P 639482-07-8P  
 639482-09-0P 639482-10-3P 639482-11-4P  
 639482-17-0P 639504-79-3P

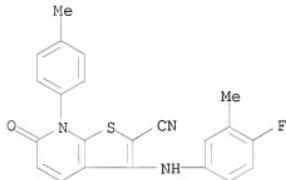
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

kinase inhibitors)

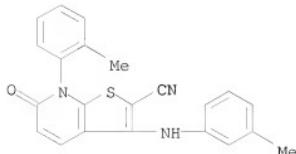
RN 639481-40-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(4-methylphenyl)-6-oxo-  
 (CA INDEX NAME)

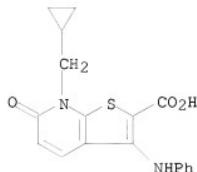


RN 639481-46-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6,7-dihydro-7-(2-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)

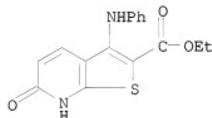


RN 639481-52-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ammonium salt  
(1:1) (CA INDEX NAME)

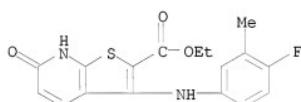


● NH<sub>3</sub>

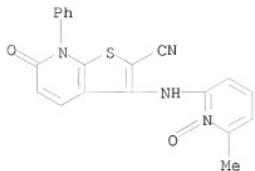
RN 639481-55-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



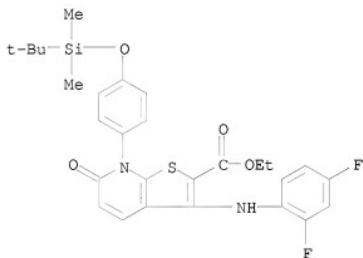
RN 639481-58-6 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA  
INDEX NAME)



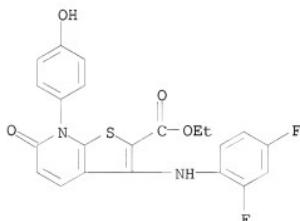
RN 639481-59-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile,  
6,7-dihydro-3-[(6-methyl-1-oxido-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA  
INDEX NAME)



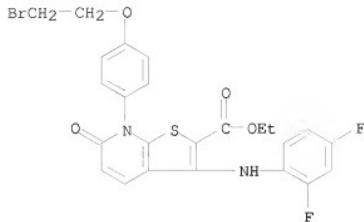
RN 639481-64-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[{(2,4-difluorophenyl)amino]-7-[4-[(1,1-  
 dimethylethyl)dimethylsilyl]oxyphenyl]-6,7-dihydro-6-oxo-, ethyl ester  
 (CA INDEX NAME)



RN 639481-65-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[{(2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-hydroxyphenyl)-6-oxo-,  
 ethyl ester (CA INDEX NAME)

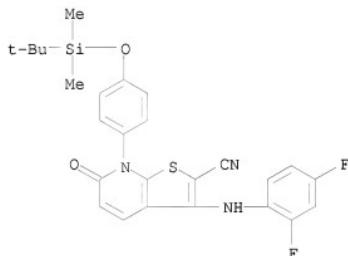


RN 639481-66-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 7-[4-(2-bromoethoxy)phenyl]-3-[{(2,4-difluorophenyl)amino]-6,7-dihydro-6-  
 oxo-, ethyl ester (CA INDEX NAME)



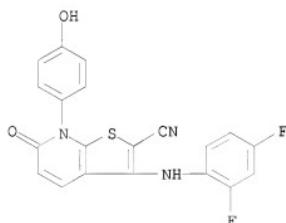
RN 639481-69-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(2,4-difluorophenyl)amino]-7-[4-[(1,1-dimethylethyl)dimethylsilyloxy]phenyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 639481-70-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-hydroxyphenyl)-6-oxo- (CA INDEX NAME)

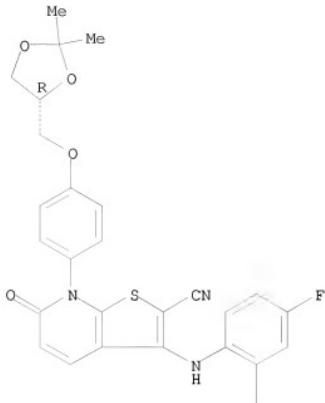


RN 639481-71-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile,  
3-[(2,4-difluorophenyl)amino]-7-[4-[(4R)-2,2-dimethyl-1,3-dioxolan-4-yl]methoxy]phenyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

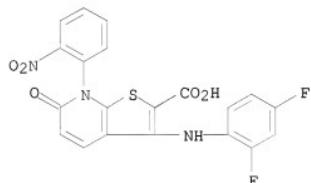


PAGE 2-A



RN 639481-73-5 CAPLUS

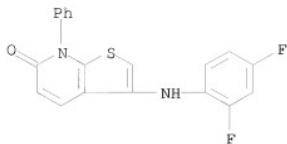
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, sodium  
salt (1:1) (CA INDEX NAME)



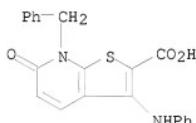
● Na

RN 639481-80-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-  
(CA INDEX NAME)

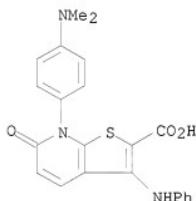


RN 639481-87-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 6,7-dihydro-3-(phenylamino)-7-(phenylmethyl)-, ammonium salt (1:1)  
 (CA INDEX NAME)



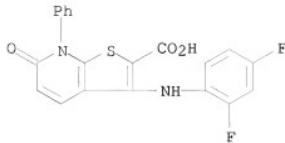
● NH<sub>3</sub>

RN 639481-90-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 7-[4-(dimethylamino)phenyl]-6,7-dihydro-3-(phenylamino)-, ammonium  
 salt (1:1) (CA INDEX NAME)



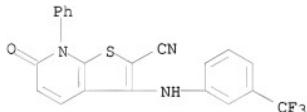
● NH<sub>3</sub>

RN 639481-91-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt  
 (1:1) (CA INDEX NAME)

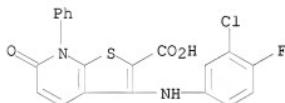


● NH<sub>3</sub>

RN 639481-95-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile,  
 6,7-dihydro-6-oxo-7-phenyl-3-[3-(trifluoromethyl)phenyl]amino- (CA  
 INDEX NAME)

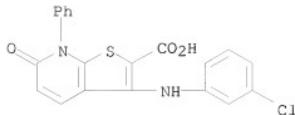


RN 639481-99-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium  
 salt (1:1) (CA INDEX NAME)



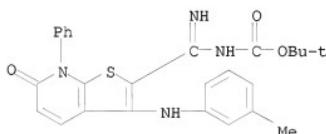
● NH<sub>3</sub>

RN 639482-00-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1)  
 (CA INDEX NAME)

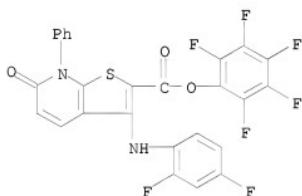


● NH<sub>3</sub>

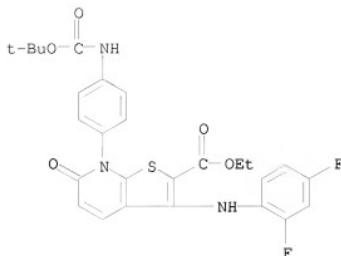
RN 639482-01-2 CAPLUS  
 CN Carbamic acid, [6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]iminomethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 639482-02-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,  
 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)

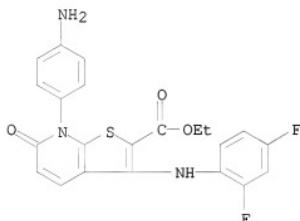


RN 639482-06-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(2,4-difluorophenyl)amino]-7-[4-[(1,1-dimethylethoxy)carbonyl]amino]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



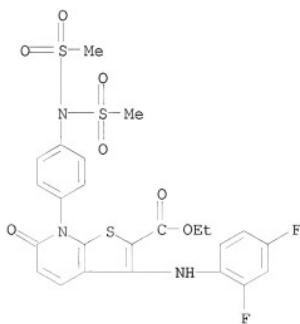
RN 639482-07-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
7-(4-aminophenyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl  
ester (CA INDEX NAME)

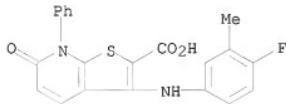


RN 639482-09-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
7-[4-[(bis(methylsulfonyl)amino)phenyl]-3-[(2,4-difluorophenyl)amino]-6,7-  
dihydro-6-oxo-, ethyl ester (CA INDEX NAME)

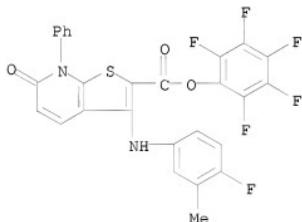


RN 639482-10-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium  
salt (1:1) (CA INDEX NAME)

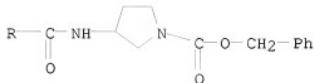
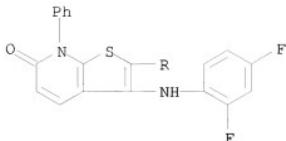


● NH<sub>3</sub>

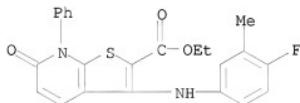
RN 639482-11-4 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-,  
2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



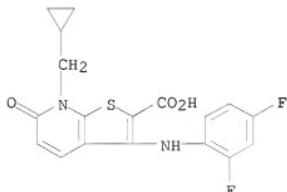
RN 639482-17-0 CAPLUS  
CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-  
dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-,  
phenylimethyl ester (CA INDEX NAME)



RN 639504-79-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl  
 ester (CA INDEX NAME)



IT 639482-18-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of arylamine substituted bicyclic hetero-aromatic compds. as  
 p38 kinase inhibitors)  
 RN 639482-18-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid,  
 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-  
 (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	39.11	217.68
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.60	-5.60

STN INTERNATIONAL LOGOFF AT 12:34:30 ON 30 DEC 2008